ATTACHMENT C-3

McKescen Chemical Co.

DEC 11 1973

Pacific District

| 4. | Bulk Material will be loaded: // Into a storage tank | |
|----|--|------------|
| | /X/ Directly into Containers // Other (explain) | |
| 5. | Each container is to be filled to 519 (1bs) found net and is, | |
| | /X/ Non-Returnable (N/R) which meets DOT* Specification 17E | |
| | costing \$ 9.80 each. A lining is required /X/ Yes // No | |
| | Returnable and the Deposit to Customers is to be \$ | |
| | Type of Style Container Sufficient containers are presently on hand // Yes // No | |
| | must purchaseat, \$each | , |
| 6. | McKesson label, Code Number <u>E25PSIC</u> will be used. If a McKesson label is not available, attach a copy of the Supplier's label. | |
| 7. | The Description of the Descripti | : t |
| | | |

| | | Per Package | Unit Cost |
|----------|----------------------|-------------|------------|
| a) | Bulk Material | 42.04 | 8.10/Cwt / |
| ь) ь) | N/R Container | 9.80 | 1.89 " |
| c) | Direct labor | .57 | .11 " |
| ď) | Overhead | 1.51 | .29 🗸 " |
| e) | Total cost to repack | 53.92 | 10.39 " |
| f) | Present cost (A-6) | 63.06 | 12.15 " |
| g) | Additional Profits | 9.14 | 1.76 " |

Amount of profit improvement through repacking (existing business;

10 X 9.14 X 12 = \$ 1.096.80 per year

Avg Sales/mo (A-8) Add'l Profit/Pkg

^{*} Department of Transportation

DEC 1 I 1973

Posilia District

McK00720

| ٧. | • | 8. | potenti | lal hazards | e up-todate and their r | ecommendati | lons for har | idling and sto | rino | ,1 |
|-----|-----------|-------|-----------------|-------------------------|---|-------------|---------------------------|---------------------------------------|-----------------------|------------|
|) | * * * | , | this ma | aterial <u>?</u> / | X/ Yes /_/ es /_/ No. | No. If not | has this | literature bee | n | |
| | | 9. | As classi | fied by DO | T, is this m | aterial "re | egulated"? | /_/ Yes /\bar{\text{X}} | No | • |
| | | | If yes, t | he require | d Caution la | bel is /_/ | White /_/ | Yellow | | • |
| , | | | /_/ Re | ed /_/ Oth | er, explain | · | | · | | |
| | • | 10. | To handle | e this item | , Branch Rep | ackaging fa | acilities: | | | |
| | | | / <u>X</u> / A1 | e adequate | ly equipped | requiring o | only a nomi | nal amount of | expense | |
| | , , | | es | stimated at | \$ None | for misce | ellaneous h | ose, fittings, | etc. | 1 |
| • | * * * | | , /_/ Wi | ill require | additional | equipment o | or modifica | tion of a Capi | tal natu | ire ' |
| | • | | · · es | stimated at | \$ | This is pr | rovided in | the Budget /_/ | Yes /_ | _/ No. |
| | , | | , Fi | ırnish comp | lete details | • | | • | , | |
| | C. | PER | SONNEL REG | QUIREMENTS | - Advise if | additional | employees | will be needed | and | |
|) | | | | ` | | | onar ravor | expense. | , | • |
| | | | • | | | | • | • | | • |
| | · D. | AD' | VANTAGES A | AND OTHER C | OMMENTS | • | | | • • • • | 44.44 |
| | • | 1. | As a res | ult of rep near term | acking, addi 'as follows: | tional bust | iness can b | e expected | | 1 |
| | | | a) | 'Number of | new account | s . 3 | | | • | |
| | • | , | ь) | Additiona | 1 packages t | o be sold | 120 | _ per year | , | · · · · |
| | • | | ρ' c) | Additiona | 1 annual sal | es \$ 9,34 | 42.00 | • | • | • |
| | • | | d) | Additiona | 1 gross prof | it \$ _1,75 | 75.00 | | | |
| . " | • | 2. | If a con | mpetitive s | t savings, j ituation is e competitio | involved, t | this repac oriefly dis | kaging being r cuss who, wher | equested te and th | d? ne . |
| | • | | | | e able to s | | ne materia | in 1974 wi | th , | |
| | Diù | eck | Brsike | , 12-7-73 | Puly ? | Lome | 12/4/77 | an land | ral 17. | 13 |
| • | (Branc | h Mai | nager) (Da | ate) | (Distric | t Manager) | (Date) | (Regional | Manager |) (Dat |
| | | | 1 | | | eepuleshop | 10/11/73 | · · · · · · · · · · · · · · · · · · · | | |

Menession C maning Pacific Ragion 1. 1973

McK00722

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| | * Con Evancisco | Region Approved | 5-8-83 |
|--------------|---------------------------|-----------------------|----------|
| Branch/PRF | San Francisco | TIOB TOWN WELL TO THE | , |
| Item Freon | TE | | |
| Supplier(s)_ | SuPont | TOSCA No.(s) | |
| | | | |
| Packed From_ | Storage Tank | UN No. | |
| | Non-Regulated | Commodity Label | |
| Container Ty | pe_ DOT 17E-55 Gal. Lined | Net Weight(s) | 690 lbs. |
| | Bulk | | |
| /X/ Non-Re | eturnable/ | Returnable | |
| Sn Gr. | Flash Point | Other Hazard_ | |
| Product was | te to be regarded as haza | rdous: Yes // | No // |
| SPECIAL NOT | ES AND/OR PRECAUTIONS | | |
| Enllow Do | gional procedure. | • • | , |

- Follow Regional procedure.

| | | .mpgq.m. | \mathcal{O} | 20 | A | Date: 5-25- | 8-3 |
|------|--------|-----------|---------------|-----------|---|-------------|-----|
| НОИЕ | OFFICE | APPROVAL_ | C. | R. Piercy | | | |

| Branch/PRF San Francisco | Region Approved 5-8-83 |
|------------------------------------|-----------------------------------|
| Item Freon TE | |
| Supplier(s) | Present Sales/Yr. Addn. Sales/Yr. |
| Packed From | Savings/Profit/Yr. |
| DOT Class UN No. | TOSCA No |
| Container Type | Net Weight(s) 690 Lbs. |
| // Non-Returnable // Re | eturnable @ \$ Deposit |
| Product waste to be regarded as ha | Otherazardous: Yes // No // |
| ROUTING: YES | NO Initial and Date |
| 2. D.L. Eisner 3. B.Mowers | - Sec TF Approval |
| COMMENTS: 7. C. R. Piercy | |
| | |
| | - |
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McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRFSi | an Francisco | Region Approved | 5-8-83 |
|-----------------|--|--------------------------------------|----------|
| Item Freon TES | | | • |
| | Pont | TOSCA No.(s) | , |
| | | • | |
| Packed From | Storage Tank | UN No. | |
| | Non-Regulated | . Commodity Label | |
| DOI CLASS | DOT 17E-55 Gal. Lined | Net Weight(s) | 690 lbs. |
| Container Type_ | Bulk | - | or in |
| /X/ Non-Retur | nable // | Returnable | |
| Sp. Gr. | Flash PointoF to be regarded as haza: | TLVOther Hazard_ rdous: Yes // | No // |
| SPECIAL NOTES | AND/OR PRECAUTIONS | | |
| rallow Peginr | nal procedure. | | |

- Follow Regional procedure.

e Date: 5-25-8-3 HOME OFFICE APPROVAL

| Branch/PRF San Francisco Item Freon TES | | |
|---|-----------------------|---------|
| 10011 | moducos of the | |
| Supplier(s) | Present Sales | _/Yr. |
| Packed From | Savings/Profit | _/ Yr . |
| DOT ClassUN No | | - |
| Container Type | Net Weight(s) E90 CLs | |
| // Non-Returnable // Ret | urnable @ \$ Deposit | |
| Sp. Gr. Flash Point | Of TLV Other | |
| Product waste to be regarded as haz | zardous: Yes // No // | |
| ROUTING: YES | NO Initial and Date | |
| 5. M. A. Minor 6. D. A. Davis | see The Capproval | |
| COMMENTS: 7. C. R. Piercy | | |
| | | |
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| | | |

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF | San Francisco | | Region Ap | proved | 5-8-83 | |
|--------------|------------------------------|----------------------|------------|-----------------|----------|---|
| Item Freon 7 | MC | | | | • | |
| Supplier(s) | DuPont | | TOSCA No. | | • | |
| Packed From_ | Storage Tank | | UN No. | | | _ |
| DOT Class | Non-Regulated | | Commodity | Label | | |
| Container Ty | pe <u>DOT 17E-55 Gal. Li</u> | ned | Net Weigh | t(s) | 630 lbs. | |
| | Bulk | | | | | |
| /X/ Non-Re | turnable | | Returnable | | | |
| Sp. Gr | Flash Point | \circ_{F} | TLV | Other Hazard | | |
| | e to be regarded as | | | | | |
| SPECIAL NOTE | S AND/OR PRECAUTIONS | 3 | | | | |
| - Follow Reg | ional procedure. | | | | | |

HOME OFFICE APPROVAL C.R. Piercy Date: 5-21-57

| Branch/PRF San Francisco | Region Approved 5-4-55 |
|-------------------------------------|---------------------------------------|
| Item From Trac | |
| Supplier(s) | Present Sales/Yr. |
| | Addn. Sales/II. |
| Packed From | Savings/Profit/Yr. |
| DOT ClassUN No | TOSCA No |
| Container Type | |
| | Commodity Label Net Weight(s) 630 45 |
| / / Non-Returnable / Ret | urnable @ \$ Deposit |
| Grand Flash Point | OF TLVOther |
| Product waste to be regarded as haz | ardous: Yes // No // |
| ROUTING: YES | NO Initial and Date |
| | |
| 2. D.L. Eisner | |
| 3. B.Mowers | See The Copposal |
| 4. J. Lacey 5. M. A. Minor | |
| C D A Douge | |
| COMMENTS: 7. C. R. Piercy | |
| , | |
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McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF | San Francisco | | Region Ap | proved | 5-8-83 |
|-------------------|-------------------|----------------------|------------|--------------------|----------|
| Item <u>Freon</u> | TMS | | | | |
| Supplier(s)_ | DuPont | • | TOSCA No. | (s) | |
| _ | , | | | <u></u> | |
| – _Packed From | Storage Tank | | UN No | | |
| | Non-Regulated | | | y Label | |
| Container Ty | /peDOT_17E-55_Ga1 | . Lined | Net Weigh | nt(s) | 650 lbs. |
| | Bulk | | | | |
| /X/ Non-Re | eturnable | | Returnable | | |
| Sp. Gr. | Flash Point | \circ_{F} | TLV | Other _ Hazard_ | |
| | te to be regarded | | | | |
| SPECIAL NOT | ES AND/OR PRECAUT | IONS | | | |

- Follow Regional procedure.

HOME OFFICE APPROVAL

C.R. Piercy

Date: 5-25-5-5

| Branch/PRF Sanfrancisco | Region Approved 5-8-8-8 |
|--|---------------------------------------|
| Item Fron TMS | Request to Repack Shows: |
| Supplier(s) | Present Sales /Yr. |
| Packed From | Savings/Profit/Yr |
| DOT ClassUN | N NoTOSCA No |
| Container Type | Commodity Label Net Weight(s) GSOLGS |
| /_/ Non-Returnable / | / Returnable @ \$ Deposit |
| Sp. Gr. Flash Point | O _F TLV Other |
| Product waste to be regarded | as hazardous: Yes // No // |
| ROUTING: 1. C.R. Piercy 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor | YES NO Initial and Date |
| 6. D. A. Davis COMMENTS: 7. C. R. Piercy | |
| | |
| | |

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF | San Francisco | | Region App | roved | 5-8-83 | <u> </u> |
|--------------|----------------------|----------------------|--------------|---|----------|----------|
| ItemFred | | | | | | |
| Supplier(s)_ | DuPont | | TOSCA No. (| s) | | |
| | | | | , | | |
| Packed From_ | Storage Tank | | UN No. | | | |
| | Non-Regulated | | Commodity | Label | | |
| Container Ty | peDOT_17E-55_Gal. | Lined | . Net Weight | (s) | 630 lbs. | |
| | Bulk | | | | | |
| /X/ Non-Re | eturnable | | Returnable | . * | | |
| Sn Cr | Flash Point | $\circ_{\mathbf{F}}$ | TLV | Other Hazard_ | | |
| | te to be regarded | | | | | • |
| | es and/or precaution | | | | | |

- Follow Regional procedure.

HOME OFFICE APPROVAL C.R. Piercy Date: 5-21-6-3

| Request to Repack Shows: Supplier(s) | Branch/PRF_Sa | in France | isco | Region Approve | d_J=8-8. | <u> </u> |
|---|----------------|----------------|-----------|----------------|--|----------|
| Supplier(s) Present Sales /Yr. Addn. Sales /Yr. Packed From Savings/Profit /Yr. DOT Class UN No. TOSCA No. Container Type Commodity Label Net Weight(s) C 30 CLs Non-Returnable / Returnable @ \$ Deposit Sp. Gr. Flash Point OF TLV Other Product waste to be regarded as hazardous: Yes / No / N | Itam Free | on TA | | Request to Rep | ack Shows: | |
| Packed From Savings/Profit DOT Class UN No. TOSCA No. Container Type Commodity Label Net Weight(s) C 30 CL 5 Net Weight(s) C 30 CL 5 Product waste to be regarded as hazardous: Yes Deposit ROUTING: YES NO Initial and Date 1. C.R. Piercy 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis | Supplier(s) | | | Addn. Sales | | /Yr. |
| Container Type Commodity Label Net Weight(s) Non-Returnable Flash Point OF TLV Other Product waste to be regarded as hazardous: Yes 1. C.R. Piercy 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis | Packed From | | | | | 77 |
| Non-Returnable / Returnable @ \$ Deposit Sp. Gr. Flash Point OF TLV Other Product waste to be regarded as hazardous: Yes / No / N | DOT Class | | UN No. | | TOSCA No | |
| Sp. GrFlash PointOF TLVOther | Container Type | | | Net Weight(s) | 630 C | |
| Product waste to be regarded as hazardous: Yes No | // Non-Ret | urnable | | | | |
| Product waste to be regarded as hazardous: Yes No | Sp. Gr. | Flash Poir | nt | of TLV | Other | |
| ROUTING: 1. C.R. Piercy 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis | Product waste | to be regarded | d as haza | rdous:Yes / | / No / | |
| 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis | ROUTING: | | | _ | nitial and D | ate |
| 3. B. Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis | - | | | | | |
| 5. M. A. Minor | | | | <u> </u> | | _ |
| 5. M. A. Minor | | | | See The | approve | |
| | 5. | M. A. Minor | | | | · |
| COMMENTS: 7. C. R. Piercy | | | | | | |
| | COMMENTS: 7. | C. R. Piercy | | | | <u> </u> |
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McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF | San Francisco | | Region Approved_ | 5-8-83 |
|---------------|-------------------|-------------------|------------------|----------|
| Item Freom | n TF | | | |
| Supplier(s) | DuPont | | TOSCA No.(s) | |
| Packed From_ | Storage Tank | | UN No. | |
| DOT Class | Non-Regulated | | Commodity Label_ | |
| Container Typ | e DOT 17E-55 Gal. | , Lined | Net Weight(s) | 690 lbs. |
| | Bulk | | | |
| /X/ Non-Ret | urnable | | Returnable | |
| Sn Gr | Flash Point | $\circ_{	ext{F}}$ | TLV Other Hazard | |
| | | | dous: Yes // | |
| SPECIAL NOTES | S AND/OR PRECAUT | IONS | | |

- Follow Regional procedure.

HOME OFFICE APPROVAL C.R. Piercy Date: 5-25-8-5

| C. Faucisco | Region Approved 5-8-83 |
|--------------------------------------|---|
| Branch/PRF San Francis co | Request to Repack Shows: |
| Item Freon TF | |
| Supplier(s) Du Powf | Present Sales /Yr. Addn. Sales /Yr. |
| | Savings/Profit/Yr. |
| Packed From Storage Tank. | Savings/Profit |
| DOT Class Non - Regulated UN No | TOSCA NO. |
| Container Type DOT 17E-53-Gal, Bulk | Commodity Label |
| Non-Returnable , / / Retu | rnable @ \$ Deposit |
| Sp. GrFlash Point | Other |
| Product waste to be regarded as haza | rdous: Yes / No / / |
| Product waste to be regarded as | |
| ROUTING: YES | NO Initial and Date |
| 1. C.R. Piercy | |
| 2. D.L. Eisner | |
| 3. B.Mowers | |
| 4. J. Lacey | |
| 5. M. A. Minor | |
| 6. D. A. Davis | |
| COMMENTS: 7. C. R. Piercy | |
| Code: | 0 0000000000000000000000000000000000000 |
| - Follow Regional | 2 processor C |
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| Branch/PRF San Francisco | Region Approved 5-8-85 |
|--|---|
| Item Freons TF THIS TES TA | Request to Repack Shows: |
| Supplier(s) | Present Sales |
| Dalad From BIEND TANK | Savings/Profit/11. |
| DOT Class Now-REG UN No. | TOSCA No |
| | Net Weight(s) As per old. urnable @ \$ Deposit or TLV Other |
| ROUTING: 1. C.R. Piercy 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis COMMENTS: 7. C. R. Piercy 2) RIS's attached | NO Initial and Date S-13-8-3 |
| (F) DUPOUT MAY DNUY SEALED DRUMS: | DEFER 'TA' IN FACTORY |
| | |

To

C. R. Piercy - HO

Date

MAY 1 3 1983

May 11, 1983



From

Bill Westrope

Coples to

A. M. McMahon - WRO

J. L. Hill - S. F. District

D. A. Krome - Union City

K. Wicks - Union City

Location

Western Chemical Region

Subject

REQUEST TO REPACKAGE

FREON TF, TMS, TES, TA, TMC & TE

Attached for Home Office approval is a request to repackage Freon TF, TMS, TES, TA, TMC and TE at our Union City Branch.

Bed W

Bill Westrope

sw

attachment

| | | • |
|------------|-------|-------|
| REQUEST TO | REPAG | CKAGE |
| (Revised - | Jan. | 1971) |
| | | |
| • | | |
| • | | |

McKesson co MAY 2 1983

Western Region

Branch SF BAY (VAVION CITY)

| | | | | | | | | | | | | • | |
|------|------|-------|----|------|------|---|------------|-----------|-----|------|-------------|---------|------------|
| . ' | | | | | | | | 3 | • | -=1 | TMS. T | ES.TATI | MC, TE |
| Name | and | Grade | of | Item | to t | 9 | Repacked F | REON | /_ | | | | ··· /··· / |
| 1,4 | **** | | | | | | | completed | for | each | package | size. | |

Instructions - A separate form must be completed for each package size.

Insert information where requested and delete units which do not apply. Where comments are are requested, be as complete as possible yet concise.

| , | |
|-------|---|
| ٠ | |
| CURRI | ENT INFORMATION |
| า | Name of Supplier DuponT |
| 1. | How is material now being obtained? 5.5 GAL STEEL LINED DR. |
| 2. | How as material now being over the coop (INED) DR |
| 3, | Size and type of container 55 GAL STEEL CINED DR |
| • | |
| · A | Net Weight 690 lbs. |
| 4. | i c compliants Container Deposit \$ |
| .5. | Amount of Supplier's Container Deposit \$ |
| 6. | Present cost into stock including freight but less any allowances |
| : | a) Unit Cost \$ 9/00 (cwt) (gal.) |
| | b) Package Cost \$ 602.40 (each) |
| | Number of Current Branch customers 14 |
| 7. | Number of Current Branch Casterna 70 (drums) (cbys)/mo. |
| 8. | Average monthly Sales to these Customers 20 (drums) (cbys)/mo. |
| 4 | |
| אומ | CKAGING PROPOSAL |
| PFIC | |
| 1. | Name of Supplier(s) Dupowt |
| • | No. |
| . 2. | Is material to be Packed from Supplier's Drums? / Yes / No |
| , | If yes, Supplier's container Deposit is \$ |
| | If no, complete items 3 and 4 below |
| _ | the received in (multi) |
| 3. | Thompartment (Tank Cdf) (tank truck) |
| | identify other items in the load |

| | | • | | |
|-----|----------------------|--|---|--|
| 4. | Bulk Mate | erial will be loaded: 📈 l | Into a storage tank | |
| | // | Directly into Containers | | n) |
| 5. | Each cont | tainer is to be filled to $\underline{6}$ | 90 (lbs.) (gal) | net and is, |
| | /25 | Mon-Returnable (N/R) which m | neets DOT* Specific | ation |
| | • | costing \$ 2632 each. 1 | l lining is require | d Myes // N |
| | | Returnable and the Deposit i | to Customers is to | be \$ |
| | | Type of Style Container / | 7-E LINED | |
| | • | Sufficient containers are pr | resently on hand | Yes // No |
| | | must purchasea | t \$ | each . |
| 6. | McKesson is not a | label, Code Number <u>F27PS//</u> vailable, attach a copy of the | A will be used. e Supplier's label. | If a McKesson Label |
| 7. | cost to o | Repack Cost - Use latest Branestimate direct labor and over information is not available od ending <u>CURRENUT</u> | rhead. Consult Reg e. Information is | jional Accounting taken from report |
| | | | | |
| | | | Per Package | Unit Cost |
| . • | a) | Bulk Material | 607.2 | .88 7 : |
| • | b) | N/R Container | 26.32 | 26.32 |
| ٠. | c) | Direct Labor | 1,24 | .0018 [#] |
| | d) | Overhead . | (8.97) | .013 |
| , . | e) | Total cost to repack | 643.73 | 27.21 |
| | f) | Present cost (A-6) | 662.40 | |
| • | , g) | Additional Profits | 8133 | |
| | | Amount of profit improvement $\frac{18.67}{20}$ | t through repackin | g (existing business) 4,80,80 26,6 per year |
| | Avg. Sa | les/mo (A-8) Add'l Profit | :/Pkg | |

| | 8. Does the Branch have up-todate Supplier's literature concerning potential hazards and their recommendations for handling and storing this material? / Yes / / No. If not has this literature been requested? / / Yes / / No. |
|---|---|
| • | 9. As classified by DOT, is this material "regulated"? // Yes / |
| | If yes, the required Caution label is // White // Yellow |
| · | // Red // Other, explain |
| | 10. To handle this item, Branch Repackaging facilities: |
| · · | // Are adequately equipped requiring only a nominal amount of expense |
| | Estimated at \$ for miscellaneous hose, fittings, |
| | Will require additional equipment or modification of a Capital natu |
| SEE. | CE-10 actimated at t |
| / | Oposect / No. Furnish complete details. |
| . , | |
| C. | PERSONNEL REQUIREMENTS - Advise if additional employees-will be needed and the resulting additional labor expense. |
| ďD. | ADVANTAGE AND OTHER COMMENTS |
| | 1. As a result of repacking, additional business can be expected in the near term as follows: |
| | a) Number of new accounts 10-20 anims & Small bulk) |
| , · · · · · · · · · · · · · · · · · · · | b) Additional packages to be sold 50000# per year |
| * . | c) Additional annual sales \$ 360,000 (1Styr). |
| | d) Additional gross profit & SED Droject justification |
| . 2 | 2. Besides an apparent savings, just why is this repackaging being requested? If a competitive situation is involved, briefly discuss who, where and the exact nature of the competition. |
| | |
| All No | Dalaono 4/20/83 A. My S/0/83 Allam 51100 |
| 111. | (Branch Hanager) (Date) (District Manager) (Date) (Date) |

U.S. DEPARTMENT OF LABOR Occupational Safety & Health Administration MATERIAL SAFETY DATA SHEET

| | | | | 5422 | *************************************** |
|--|--------------|----------------|---|-------------|---|
| | | SECTION | ON I | | |
| MANUFACTURER'S NAME E. I. dupont de Nemours & Company ADDRESS (Number, Street, City, State, and ZIP Code) Freon® Products Division, Wilmington, Delaware 19898 CHEMICAL NAME AND SYNONYMS CHEMICAL NAME AND SYNONYMS CHEMICAL NAME AND SYNONYMS Freon® TF | | | | | |
| E. I. dupont de Nemours & | ; <u>C</u> (| ompany | 7.2008 | | |
| Freon® Products Division, | W: | ilmingt | IRADE NAME AND SYNONYMS | | |
| Trichlorotrifluoroethane | | | FORMULA FORMULA | | |
| Halogenated Hydrocarbon | | | CCl ₂ FCClF ₂ | | |
| | | | oue Monrolrito | | |
| SECTION | 11 | T | DOUS INGREDIENTS | | TLV |
| PAINTS, PRESERVATIVES, & SOCYENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | 74 | (Units) |
| PIGMENTS | _ | | BASE METAL | | |
| CATALYST | - | | ALLOYS | | |
| | - | | METALLIC COATINGS | 1 | |
| VEHICLE | | | FILLER METAL | | |
| SOLVENTS | | - | PLUS COATING OR CORE FLUX OTHERS | _ | |
| ADDITIVES | | - | | 1 | |
| OTHERS | | | | 7. | TLY |
| HAZARDOUS HIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES % (Units) | | | | | |
| None | | , | She part to the second of the | <u> </u> | |
| ROILE | | | 2 | | |
| | | | N. A. | | |
| | · | | | | |
| | | | | | |
| SEC | TIC | N III F | PHYSICAL DATA | | |
| BOILING POINT (F.) | | 117.6. | SPECIFIC GRAVITY IH20=11 770 F | | 1.57 |
| | | | PERCENT VOLATILE | 0.0 | 10 |
| VAPOR PRESSURE (INTI Ho.) 77° F | - | 334 | BY VOLUME 1%) EVAPORATION RATE | | 0.3 |
| VAPOR DENSITY (AIR=1) 77°F | | 2.9 | 1_CC14_=1) | \dashv | <u>~,•</u> |
| solubility in WATER & by wt. | | 0.02 | | l | |
| APPEARANCE AND ODOR COLO | :le | ss liqu | uid - slight ethereal odor | <u> </u> | |
| | | | | | *** |
| SECTION IV | FIR | E AND | EXPLOSION HAZARD DATA | 1 | Uel |
| FLASH POINT (Method used) None | | | None | | |
| EXTINGUISHING MEDIA Nonflar | nma | ble | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | | | | | |
| | | | ** | , , | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | | | | | |
| UNUSUAL FIRE AND EXCEPTION TRACTION | | None | | | |
| | | | | | |
| 201 2 3 1001 | | | | | |

NOTICE FROM DU PONT NOV 2 2 1981

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

| SECTION V HEALTH HAZARD DATA |
|---|
| THRESHOLD LIMIT VALUE 1000 ppm. |
| EFFECTS OF OVEREXPOSURE T.ight-headedness, giddiness, shortness of breath, possible |
| narcosis, possible cardiac arrhythmias at high concentrations. EMERGENCY AND FIRST AID PROCEDURES Thhalation: Remove to fresh air, call a physician. Do not give |
| Thhalation: Remove to Fresh diff. |
| Skin or eye contact: Flush with water. |
| |
| SECTION VI REACTIVITY DATA |
| STABILITY UNSTABLE CONDITIONS TO AVOID Open flames or high temperatures. |
| STABLE X |
| INCOMPATABILITY (Material to specify arch metals - powdered Al, Zinc, Beryllium, etc. Alkali or alkaline earch metals - powdered Al, Zinc, Beryllium, etc. |
| HAZARDOUS DECOMPOSITION PAUDICIS ACIDS - possible carponyl natides. |
| HAZARDOUS MAY OCCUR CONDITIONS TO AVOID |
| POLYMERIZATION WILL NOT OCCUR X |
| |
| DE LEAV PROCEDURES |
| SECTION VII SPILL OR LEAK PROCEDURES |
| SECTION VIT STILL ON LLING. STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED ON SPILLED VENTULATE area - especially low places where heavy vapors might |
| collect. Remove open flames. |
| waste disposal Method Reclaim by distillation |
| WASTE DISPOSAL METHOD RECLAIM BY distillation |
| · |
| |
| SECTION VIII SPECIAL PROTECTION INFORMATION |
| HESPHRATORY PROTECTION (Specify type) Use air mask in high concentrations. |
| VENTILATION LOCAL EXHAUST When large amounts are released. SPECIAL |
| MECHANICAL (General) ESpecially in low places. |
| PROTECTIVE GLOVES When handling liquid. EYE PROTECTION When handling liquid. |
| OTHER PROTECTIVE EQUIPMENT |
| DECARITIONS |
| SECTION IX SPECIAL PRECAUTIONS |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store containers in a clean, dry, area. Do not heat above 125°F. |
| |
| OTHER PRECAUTIONS FOR further information see Freon® Products Bulletins FST-1, |
| S-16, S-24, S-30. |

MCKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF San Francisco | D_ 1.0 | | | | |
|---|---|--|--|--|--|
| Item Freon TP-35 | Product Code <u>01116005 - 5 gal pails</u> | | | | |
| Supplier(s) | TOSCA No.(s) | | | | |
| Packed From | UN/NA # Commodity Label Net Weight(s)525 lbs/45 lbs | | | | |
| X Non-Returnable | Returnable Other | | | | |
| Sp.GrFlash Point | OF TLV Hazard | | | | |
| Product waste to be regarded as HAZARDOUS SPECIAL NOTES AND/OR PRECAUTIONS | Yes No X | | | | |
| • | | | | | |
| | | | | | |
| HOME OFFICE APPROVAL Josephan L. Eine | Jad Date: 10/1/8- | | | | |

09/30/85 PRODUCT SKU MAINTENANCE NEXT: S (F S V A B D R T) SUPLR-ID: A/C: C PROD-CD: 01116005 ALIAS: FREON FORMULA ALPHA-SEQ PROD-CD PROD-NAME FREON 01116005 FREON TSCA NUMBERS----HAZ MSD-# MSD-DT TYP MKT RPT-GRPS _R---5---RMRK REMARKS-TEXT FREIGHT-CLASS CLEANING COMPOUND LIQUID EPA-RQ RCRA DOT-NAME. 00000 GRS-WT SPG/DEN QUALIFIER GRAD FORM -PACKAGE--NET-WT UM OLD-CD 00045.00 00050.20 000,0000 EΑ 005 GL PL MCKS LIQ TP-35 013897 TRM . RMRK REMARKS-TEXT WT/GAL. RTN TRK CNTR 001

00009.60 P 3 RST TP-MX TP-MN SF-LF DIR-QTY SPL-CHRGS UN/NA# --COMPATB--

ALLOC DOT-E \mathbf{R} 999 23000 +115 +032 N ИИИИИИ 00000

MIN-BU 00001 00003 00009 00036 00000 00000 00000 BRK BU PU MTH P/C 00 00 00 00 15 18 21 MARGIN 24 EA LB D04 C PBK L-ACV: 09/25/85 STATUS: A 05/05/83 INPUT: 05/05/83

McK00743

٠

NEXT: S (P S V A B D R T)

A/C: C PROD-CD: 01116004 ALIAS: FREON

SUFLR-ID:

PROD-NAME PROD-CD

ALPHA-SEQ

FORMULA

01116004 FREON

FREON

TYF MKT

RPT-GRPS HAZ MSD-# MSD-DT ----TSCA NUMBERS-

R 5

NON .

000076-13-1 000075-52-5 000067-63-0

FREIGHT-CLASS

RMRK REMARKS-TEXT

CLEANING COMPOUND LIQUID

DOT-NAME

RCRA

EPA-RQ

00000

NET-WT GRS-WT SPG/DEN QUALIFIER GRAD FORM -PACKAGE-- UM OLD-CD

00525.00 00545.00 000.0000 MCKS LIQ 055 GL DRM EA 013889 TF-35

RMRK REMARKS-TEXT RTN TRK WT/GAL CNTR

MAT

3 P 00009.60 001

RST TP-MX TP-MN SF-LF DIR-QTY SPL-CHRGS UN/NA# --COMPATB--DOT-E ALLOC

999 99999 ИИИИИИ +115 +032 00000

MIN-BU 00001 00003 00010 00040 00000 00000 00000 00000 MTH P/C BU PU BRK

00 00 00 D52 MARGIN 18 17 13 00 PBK C EA LB

STATUS: A 01/13/83 INPUT: 01/13/83 L-ACV: 08/02/85

| 1000 1000 | × 1-11 | 7 7 7 | For | D. Kev Pr | enduct : | | |
|--------------|--------------------|--|-----------------|---------------------------------------|---|----------------------|---------------------------------------|
| | M. GNOOD (| - (T-9.) | manifelia. T | | | 0111600 |) I |
| te | 8-29-85 | يم و و و و و و و و و و و و و و و و و و و | | | | t | |
| | | | | | | | ¢ = |
| | Product Informatic | | · | | | | |
| • | Chemical Name | REON. | TP-35 | Trade Name | (if differen | t) | |
| 1 | DOT Hazard Class | TI Flarma | bleflash po | int 20 to | 100°F (| Combustible | |
| | | | ble-flash po | | | ⊃ Oxidizer ⊃ ORM- | |
| | | Reacti | ve, type | | . ' ' | Non-hazardo | us |
| | Branch can safely | handle: | Yes (o: | r) 🗀 No | t Yet, needs | • 1 | |
| | seen or band | | T Yes + : | attach copy | | l al· | í |
| | MSD Sheet on hand | • | No, re | quested fro | m Dispos | Chemica | |
| | RIS on hand: | | Yes + | attach copy | <u>, </u> | | |
| | STO DISTINGS | | No, ne | ed one; ter | porarily use | RIS # | |
| | Handlingwith st | orage in # | tank; | transfer | oy <u>Par</u> | MP | |
| | If Blend, compone | inte sta! | 64.7% | Fron TF | = 1 35 7 1 | Juhydrous | |
| | TI Prend, Combone | into att. | + | 2121 | 0.397 11 | itromotho | 3 L L Z |
| | (by the wt (or) | D vol.) | Toblaha | illor j | 0.3/6 10 | on america | (1)-6 |
| | | | | | • | | |
| • | Shipping | | | | 01 | ~ () | |
| | Shipping descrip | tion: | Leaning | 1 COMP | ound, L | 9419 | |
| | | | | · · · · · · · · · · · · · · · · · · · | ~ | UN# | |
| | | \ | m/m 63 W | C | he IX | our fleet # | |
| | Shipping Method: | E Bulk | , T/T CLESS-IN | | | Common Carrier | |
| | | Drum | s, Type | | Met Wt. | | *** |
| | | □ Labe | 1s -McK # | | _ (of) Suppli | er | ch copy |
| | | □ Labe | ls on hand | o shipments | unless prop | erly labelled | |
| | | | • | | • | | |
| 3. | Sales & Costs | | ŧ | | | | |
| | Monthly sales: | | • | Drums | (or) Bulk : | <u>200</u> gal | s. |
| | Cost to produce | & deliver | \$ | /drum | (or) Bulk 5 | · , 84 /sa | 1. lb |
| | Selling price, | | \$ | /drum | | 1.10 /20 | |
| | Customer(s) has | | 🗖 Yes, & | on record | (or) 🗆 No, bu | t will have b | у |
| | | | | | | • | Da: |
| 4, | Approval levels | | 1) 1 | | | | בוֹצ |
| | Branch: | Kan J | <u>Jakon</u> | (on all | applications | i) | 9/9 |
| | Area Opns.: | A Str | | (final | 1f product/re | pack in Area) | , , , , , , , , , , , , , , , , , , , |
| | Regional Opns: | | //}- | | | pack in Regio | · 2. 2 |
| | Area Director: | | | (new p | lonal approva roduct repack | I required if | |
| | BO Opns.: | | | | | مريز مدمست | |

| ISTOMER: Megast | | | |
|--|--|---|---|
| LEND COMPONENTS: | Grade | Amount (Nt.or Vol) | UN/NA No |
| Product | Grade | 64.7 | • |
| Fron TE | | 35.6 | 5 |
| N'itromotha | . O | 0.3 | |
| N itromotha | | mo. | , |
| USTOMER USAGE: | 200 Galf | | |
| SUSTOMER TOLERANCE: Plus | or Hinus | Dutout Spec | |
| IFTHOD OF BLENDING: (Exp.) | lain how components | are to be measured, what istomer tolerance, etc.) | you will blend Individua |
| in, how will you assure the | hat you have met co | of t-non scale | Materials |
| components are u | veighour on a | phatform scale. I | Lionwood |
| , , , , , , , , , , , , , , , , , , , | | | TIED WED |
| are mixed in a | <u>500 gar 5.5</u> | 5. LIGUA DIN, Ca. | 1 -0 |
| are mixed in a | of product h | Liqua Bin, Gary Dinsurp that it | meets sp |
| tests the Finish | od product h |) INSUITO THAT II | meors sp |
| tests the Finish | BLEND APPROVAL, MCC | LAB MUST PRODUCE A SAMPLE | MIX TO ENABLE |
| TE: PRIOR TO PRODUCTION E | BLEND APPROVAL, MCC, RIS, LABEL ID, TO | LAB MUST PRODUCE A SAMPLE DIERANCE ACCEPTANCE, ETC. | MIX TO ENABLE |
| TE: PRIOR TO PRODUCTION E | BLEND APPROVAL, MCC, RIS, LABEL ID, TO | LAB MUST PRODUCE A SAMPLE DIERANCE ACCEPTANCE, ETC. | MIX TO ENABLE |
| tests the Finish | BLEND APPROVAL, MCC, RIS, LABEL ID, TO | LAB MUST PRODUCE A SAMPLE DIERANCE ACCEPTANCE, ETC. | MIX TO ENABLE |
| TE: PRIOR TO PRODUCTION E HOC TO GENERATE MSDS THIS MIX IS AVILABLE REQUEST TEN WORKING | BLEND APPROVAL, MCC, RIS, LABEL ID, TO FOR PRESENTATION TO DAY LEAD TIME FOR THE FOR THE FORTON TO THE FORTON TO THE FORTON THE FURNISHED BY REGION THE FORTON THE FORTON THE FORTON THE FURNISHED BY REGION THE PROPERTY OF THE PROPERTY | LAB MUST PRODUCE A SAMPLE DLERANCE ACCEPTANCE, ETC. 10 YOUR CUSTOMER UPON REQUEITHIS PROCESS. | MIX TO ENABLE A PORTION OF ST. MCC LAB/ |
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| TE: PRIOR TO PRODUCTION E HOC TO GENERATE MSDS THIS MIX IS AVILABLE REQUEST TEN WORKING DILLOWING INFORMATION TO BE NAME OF BLEND: LABEL TO BE USED: DOT SHIPPING CLASSIFICA | BLEND APPROVAL, MCC, RIS, LABEL ID, TO FOR PRESENTATION TO DAY LEAD TIME FOR THE FURNISHED BY REGION TO THE FORM TO THE FURNISHED BY REGION TO THE FORM TO THE FORM TO THE FURNISHED BY REGION TO THE FURNISHED BY REGION TO THE FORM TO THE FORM TO THE FURNISHED BY REGION TO THE FORM T | LAB MUST PRODUCE A SAMPLE DEFRANCE ACCEPTANCE, ETC. TO YOUR CUSTOMER UPON REQUESTINES PROCESS. ON/HOC: (TO PRECLUDE DUPLICATION, MAME TO BE USED BY MCC) UN/NA No. | MIX TO ENABLE A PORTION OF ST. MCC LAB/I |
| TE: PRIOR TO PRODUCTION E HOC TO GENERATE MSDS. THIS MIX IS AVILABLE REQUEST TEN WORKING PLOWING INFORMATION TO BE NAME OF BLEND: LABEL TO BE USED: DOT SHIPPING CLASSIFICATION TO BE | BLEND APPROVAL, MCC, RIS, LABEL ID, TO FOR PRESENTATION TO DAY LEAD TIME FOR THE FURNISHED BY REGIONS. | LAB MUST PRODUCE A SAMPLE DEFRANCE ACCEPTANCE, ETC. TO YOUR CUSTOMER UPON REQUESTINES PROCESS. ON/HOC: (TO PRECLUDE DUPLICATION, MAME TO BE USED BY MCC) UN/NA No. | MIX TO ENABLE A PORTION OF ST. MCC LAB/N THIS IS ONLY |
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| Tests the fibishy TE: PRIOR TO PRODUCTION E HOC TO GENERATE MSDS THIS MIX IS AVILABLE REQUEST TEN WORKING PROPER BLEND: LABEL TO BE USED: DOT SHIPPING CLASSIFICAT DOT PROPER SHIPPING NAM PROPER METHOD OF BLENDI | BLEND APPROVAL, MCC, RIS, LABEL ID, TO FOR PRESENTATION TO DAY LEAD TIME FOR THE FURNISHED BY REGIONS. TION: E: NG: | LAB MUST PRODUCE A SAMPLE DEFRANCE ACCEPTANCE, ETC. TO YOUR CUSTOMER UPON REQUESTINES PROCESS. ON/HOC: (TO PRECLUDE DUPLICATION, MAME TO BE USED BY MCC) UN/NA No. | MIX TO ENABLE A PORTION OF ST. MCC LAB/N THIS IS ONLY |

This is the best information available to us on the date this sheet was prepared. This sheet will be revised if and when new information becomes available. If you learn of new information, please add it hereon and if you have contrary information, please advise the Home Office.

| epack Istruction heet _{C-19} -a | McKesson Chemical Compa Foremost-McKesson Chemical Group | iny | t | 11/82 | |
|--|--|--|--|----------------------|---------------------|
| Date | | | | Lot | |
| No, containers to be filled | Container 55 Gal Tio | | 17E, 16/1 | .8 Ga with | approved |
| | eat manner as instructed. | Supplier | | | |
| McKesson F27PS1H | • | | | | |
| Special label instructions | | | | : | |
| | 31 per container. | Other | * | - | |
| None | | Other | | 6 | |
| · · · · · · · · · · · · · · · · · · · | weight is printed | on label F27PS | 1H) (Cal | culate and stencil g | ross and tare weigh |
| let Weight 525 | Lbs. 238 | Kilos | Gallons | | Liters |
| TRICHLOROTRIF | LUOROETHANE/ISOPRO | OPANOL/NITROME | THANE (F | REON * T- | |
| Deposit | · None F | Required Special Exemption | Number | Hazard Identificat | |
| \$ Diher | | | | 1 | |
| | | | | | , |
| Bung Seals | Type * | Bung Type | | Bung Gasket Type | |
| Yes 🔯 No 🗆 | Plastic | Precoate | d steel | Polyeth | ylene |
| from the fire the second sa deliver it to | ean sample bottle at drum filled and ample from one of the laboratory. [Flushing Rinse Wi | deliver it to the last five | drums fil | led and a | ilso |
| Grounding Required Yes X No | aside for reu | se before subs | equent Fr | eon T-P 3 | 5 batches. |
| Part/Drum Package If d should be part on part drum a drum remaining | irect fill - Check drum from previound store in a pro- can be noted on ould be properly a | us fill. At e tected area. job ticket. I | Part drum | (s) used packed an | and part |
| Fill Procedure | | | enter de la constante de la co | | |
| This product Freon Solve | t may only be fill | ed in a module | e system ć | ledicated | to |
| O-400 (N 5-80) | | | | | |

Be alert. Work safely.

Safety and Health information on reverse side of this form.

* Trademark of Dupont.

** Container should be cool. If possible, repack during the coolest part of the day to minimize vapors.

| Mechanical Freon Mechanical Freon Mandatory Mechanical Freon Module Exhaust Mechanical Green Me | r trichlorotrifluoro- |
|--|--|
| if exhaust system malfunctioning. Protection Chemical goggles Or Chemical goggles Or Chemical goggles Or Winyl-coated gloves and apron. In all Procedure Eyes: Immediately water flush for 15 minutes. Get Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Interpretate Eyewash and safety shower must be available and op Interpretate Eyewash and safety shower flush for 15 minutes. Get medical attention. Wash of Interpretation: Make the Eyes, Interpretation of Interpreta | Oppm for isopropanol; nitromethane |
| The Potective Equipment and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower flush for 15 minutes. Get medical attention. Wash of Trigestion: Induce ventiting by giving water and sticking a fine Get medical attention immediately. Indept Hazards FreonT-P 35: Amesthetic effect in high concentration if too much breathed. Prolonged or repeated contact may irrist, in Liquid or mist will irritate the eyes. Isopropano/Flamm flames, sparks, heat. May irritate eyes, nose, & throat. Breat ause drunkenhed, Nitromethane: Flammable! Keep away from open flames, bo not store where temperatures may exceed open flame to produce toxic vapors. Vapors heavier allow water to contact freon T-P35 because a flammable formed. Do not allow product to evaporate as the residual pell control. Stop filling but not module venting, contain, evacual from area. Call supervisor. Keep from ground, storm drain, involved in clean-up should wear proper respirators and protes spills: Mop or wipe up. Large spills: Absorb onto sand or the Becompleted by Repacker safety Equipment Satisfactory to the line of the safety Equipment Satisfactory to the safety to the safety Equipment Satisfactory to | apor) respirator |
| interprotective Equipment Safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower must be available and op Eyewash and safety shower flush for 15 minutes. Get medical attention. Wash or Ingestion: Induse vomiting by giving water and sticking a fire Get medical attention immediately. Inclinal Harards FreenT-P 35: Anesthetic effect in high concentration if too much breathed. Prolonged or repeated contact may irritate. Liquid or mist will irritate the eyes. Isopropano/Flamm flames, sparks, heat. May irritate the eyes. Isopropano/Flamm flames, sparks, heat. May irritate eyes, nose, & throat. Breat ause drunkennes, Nitromethane: Flammable! Keep away from open flo not drop drums. Do not stack drums: store in a single la pecial information. Do not store where temperatures may exceed open flame to produce toxic vapors. Vapors heavier allow water to contact Freon T-P35because a flammable be formed. Do not allow product to evaporate as the residual pull Gentel. Stop filling but not module venting, contain, evacual from area. Call supervisor. Keep from ground, storm drain, involved in clean-up should wear proper respirators and prote spills: Mop or wipe up. Large spills: Absorb onto sand or the safety Equipment Salistactory and the safety Explain * Keep drums cool and out of direct explain to the safety Equipment Salistactory and the safety Explain to the safety Exp | , |
| Skin: Water flush for 15 minutes. Get medical attention. Was Vapors: Remove to fresh air. Get medical attention. Wash or Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. **Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. **Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. **Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. **Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. **Ingestion: Induce veniting by giving water and sticking a fine flames. Freen Tepatage for the eyes. Isoprophos/Flame flames, sparks, heat. May irritate eyes. Isoprophos/Flame flames, sparks, heat. May irritate eyes. Isoprophos/Flame ause drumkennes, Nitromethane: Flammable! Keep away from open flow not drop drums. Do not stack drums: store in a single la pecial information. Do not store where temperatures may exceed open flame to produce toxic vapors. Vapors heavier allow water to contact Freon T-P35because a flammable be formed. Do not allow product to evaporate as the residual politicantol Stop filling but not module venting, contain, evacual from area. Call supervisor. Keep from ground, storm drain, involved in clean-up should wear proper respirators and protestic proper attention of the completed by Hepacker. **Release Get Between Satisfactory Page 18 No 18 Not 18 | ection. Neoprene |
| Skin: Water flush for 15 minutes. Get medical attention. Wash Vapors: Remove to fresh air. Get medical attention. Wash of Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. Incipal Hazards Freon T-P 35: Anesthetic effect in high concentration if too much breathed. Prolonged or repeated contact may irriskin. Liquid or mist will irritate the eyes. Isopropano/Flamm flames, sparks, heat. May irritate eyes, nose, & throat. Breath ause drunkenhow, Nitromethane: Flammable! Keep away from open for Do not drop drums. Do not stack drums: store in a single lapsecial information. Do not store where temperatures may exceed open flame to produce toxic vapors. Vapors heavier allow water to contact Freon T-P35 because a flammable be formed. Do not allow product to evaporate as the residual pull Control. Stop filling but not module venting, contain, evacual from area. Call supervisor. Keep from ground, storm drain, involved in clean-up should wear proper respirators and protestive Equipment Satisfactory. Yes \(\text{ No } \text{ No } \) INNOT. When the contact is the proper respirators and protestive Equipment Satisfactory. Yes \(\text{ No } \text{ No } \) INNOT. When the contact is the proper respirators and protestive Equipment Satisfactory. Yes \(\text{ No } \text{ No } \) INNOT. When the contact is the proper respirators and protestive Explain. The contact is the proper respirator of the proper respi | erating: |
| Skin: Water flush for 15 minutes. Get medical attention. Wash Vapors: Remove to fresh air. Get medical attention. Wash of Ingestion: Induce veniting by giving water and sticking a fine Get medical attention immediately. Incipal Hazards Freon T-P 35: Anesthetic effect in high concentration if too much breathed. Prolonged or repeated contact may irriskin. Liquid or mist will irritate the eyes. Isopropano/Flamm flames, sparks, heat. May irritate eyes, nose, & throat. Breath ause drunkenhow, Nitromethane: Flammable! Keep away from open for Do not drop drums. Do not stack drums: store in a single lapsecial information. Do not store where temperatures may exceed open flame to produce toxic vapors. Vapors heavier allow water to contact Freon T-P35 because a flammable be formed. Do not allow product to evaporate as the residual pull Control. Stop filling but not module venting, contain, evacual from area. Call supervisor. Keep from ground, storm drain, involved in clean-up should wear proper respirators and protestive Equipment Satisfactory. Yes \(\text{ No } \text{ No } \) INNOT. When the contact is the proper respirators and protestive Equipment Satisfactory. Yes \(\text{ No } \text{ No } \) INNOT. When the contact is the proper respirators and protestive Equipment Satisfactory. Yes \(\text{ No } \text{ No } \) INNOT. When the contact is the proper respirators and protestive Explain. The contact is the proper respirator of the proper respi | the state of the s |
| if too much breathed. Prolonged or repeated contact may irriskin. Liquid or mist will irritate the eyes. Isopropano/Flamm flames, sparks, heat. May irritate eyes, nose, & throat. Bread ause drunkennes, Nitromethane: Flammable! Keep away from open for the product of the produc | lothes before reuse. |
| Do not drop drums. Do not stack drums: store in a single la pecial Information Do not store where temperatures may exceed open flame to produce toxic vapors. Vapors heavier allow water to contact Freon T-P35because a flammable be formed. Do not allow product to evaporate as the residual policy of the product to evaporate as the residual flow area. Call supervisor. Keep from ground, storm drain, involved in clean-up should wear proper respirators and protestills: Mop or wipe up. Large spills: Absorb onto sand or December 19 Be Completed by Repacker alety Equipment Salistactory Yes No Hi Not Acchanical Equipment Salistactory Yes No Hi Not No Hi | able! Keep away from open thing high concentration |
| Signed) Explain * Keep drums cool and out of direct temperature for the salistactory and substantial temperature for the salistactory | than air. Do not le liquid layer may l solvent will become flan te unnecessary personnel and sewer. All personnel ective clothing. Small |
| Yes No If Not Explain Yes No If Not Explain Yes No If Not Explain Yes No If Not Comments: Signed) (Repacker) | |
| Acchanical Equipment Satisfactory Yes No If Not Comments: Signed) (Repacker) | sunlight. |
| Yes No III Not Comments: Signed) (Repacker) | |
| Signed) (Repacker) | ters in the second of the seco |
| (Repacker) | · |
| (Repacker) | |
| (Repacker) | |
| Above comments noted and action taken as follows: | Date ; |
| | |
| | |
| | |

HEXT N (D T N)

DEST: 511 BUS-FUNC:

ALL-DEST MA

ATTN: C.R. EFERCY

FROM HARTANNE DOMIN HOW

FROM: 001

DATE-SENT: 09/09/85

TIME-SENT: 11:54:19

" TO: KEN WATSON

PLEASE BE ADVISED THAT YOUR APPROVAL FOR PC 0116005, FREON TP-35 IN FAILS HAS BEEN DELETED. IF YOU WISH TO MAINTAIN APPROVAL: PLEASE ADVISE

WHEN I WILL RECEIVE FORMAL REQUEST (PAPERWORK).

THANKS

You should have a Larmal

pegates. 2 /

MARIANNE a co

CC: C.R. FIERCY

Als advise of mot keep approu

RECEIVED SEP 1 9 1985

NEXT: S (P S V A B D R T)

A/C: C PROD-CD: 01116001 ALIAS: .

SUPLR-ID:

PROD-CD PROD-NAME

ALPHA-SEQ^{*} FORMULA

01116001 FREDN

FREON

TYP MKT RET-GRES HAZ MSD-# MSD-DT

---TSCA NUMBERS---

尺 5

NON

/ / 000076-13-1 000075-52-5 000067-63-0

FREIGHT-CLASS

RMRK REMARKS-TEXT

CLEANING COMPOUND LIQUID

DOT-NAME

RCRA

EPA-RQ

00000

NET-WT GRS-WT SPG/DEN OLD-CD QUALIFIER GRAD FORM -FACKAGE-- UM

00001.00 00001.00 000.0000 MSS LIQ 001 GL BLK LB 013889 TP-35

RTN TRK WINGAL RMRK REMARKS-TEXT CNTR

TRM

i B 00009.60

00i

ALLOC RST TP-MX TP-MN . SF-LF DIR-QTY SPL-CHRGS UN/NA# --COMPATB--DOTHE

30000 н ининин +115 +032 00000

MTH P/C BU PU BRK MIN-BU 00001 04750 09500 40000 00000 00000 00000

X95 MARGIN 64 .36 19 04 00 00 PBK C LB LB

STATUS: A 04/23/82 INPUT: 04/23/82 L-ACV: 07/23/85

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch San Francisco | Request Date 5/5/87 | Region Approved 5/6/81 |
|--|--|--|
| Barravida 21% - Rea | gent Grade | |
| Supplier(s) FMC | Request to Repack | Shows |
| Supplier(s) FMC | Present SalesAddn. Sales | 864 Dms. /Yr |
| · · · · · · · · · · · · · · · · · · · | Addir. bares | |
| Packed From Tank Truck | | |
| DOT Class Oxidizer | Commodity Label_ | New Label |
| Container Type Polydrum - 55 Gal. | Net Weight | |
| | | |
| | | |
| / Non-Returnable | / X / Returnable | |
| | lppm(mist) Other Haz | ard |
| Product waste to be regarded as hazard | 10us. 11115 11117 | , |
| SPECIAL NOTES AND/OR PRECAUTIONS | ct are to be used. | |
| Only drums dedicated to this produ All heel material in returned drum pit. If more than one gallon, dil All drums, returned or new, will b or air-dried while inverted. Re-p | ute with 4 volumes of erinsed, inspected. lug dried drums unti | , and siphoned dry il scheduled for |
| filling. - A new McKesson label will be provilabeling, stencil product name and | ded for this product I grade on each drum | t. In addition to |
| · | , | |
| • | | |
| HOME OFFICE APPROVAL | Date 6 | /12/81 |
| C.R. Pier | су | |
| The Regional Office will insert below instructions, procedures, tips on saturations in utilizing the facilities at the most efficient manner. | | |
| Completed ByTitle | | Date |
| | | |
| | | |
| | | The state of the s |

| | / / · |
|--|--|
| | Region Approved 5/6/8/. |
| Branch San Francisco Bay | |
| Item Hydrogen Peroxide 31% - Ken | Request to Repack Shows: |
| Supplier(s) FIC Corp. | Present Sales 864 Dun /Yr |
| Supplier(s) /// Corp. | i-a |
| | Addn. Sales |
| Packed From Jant Truck. | _ Repack Cost |
| DOT Class Oxidizer | Savings/Profit 6.64/C 727,535/Y |
| DOT Class | ·/ n |
| Container Type Polydrum -55 | Commodity Label Khew Cabel |
| | Net Contents 480 65. |
| | Net Contents -7a 0 000 |
| | |
| / / Non-Returnable / | Returnable @ \$ / Deposit |
| Non Non | I PPH (MIST) OTHER |
| Flash Point OF TLV | / PAM (MIST) OTHER |
| Product waste to be regarded as haz | ardous: YES / NO / |
| 7 1 Cade C 77 | |
| | |
| . المحمد فقط فقط فقط بنما فعم معم معم معم معم فعم همد فقط فمط فصط فعم فعم فعم فعم ومعم ومعم ومد فعم ومعم وهم معم معمود همو | سر بیند بیند بیند بیند بیند بیند بیند پیس سی پیش شد بیند پیسراتس قبید بیند پیش بیند شدن شده بیند پیش بیند بیند بیند بیند بیند بیند بیند بیند |
| YES | NO Initial and Date |
| ROUTING: | a didei |
| 1. C.R. Piercy | - P/10 F 2/18/81 |
| 2., D.L. Eisner | |
| 3. D.A. Davis | · 5/8/br |
| · / | 19/31 |
| 4. R.F. Tomeo V | |
| 5. B.L. Wilcox, Jr. | |
| · 6. C.R. Piercy | ·. |
| | |
| COMMENTS: 1. See attached for s/19/81 Hold for fragion com | on DUE ve QC. |
| La Hara C. D. Com | ment las |
| 5/19/81 More Lat - Region Co. | |
| | |
| Repart Code - See | celfached |
| 17-17- | |
| | |
| | |
| | |

| Repart Coda. 14202 31% Reagend Gada. |
|---|
| . Hizoz 31% - Reagend Grade |
| - Only drums dedicated to this product are to be used. |
| ave do be used. |
| |
| - cell downs heel material in returned |
| drums is to be drawned to the neutralreator |
| pit. If more than ONE GALLON, delute |
| with 4 Vocuraces of water |
| |
| - all drums refund or new will be |
| vinsed, inspected and siphoned dry |
| or air-drafed while inverted. Re-plug |
| dried druns until scheduled for Culling. |
| |
| - A new Michesson label will be provided |
| Con this product. In addition to |
| habitaing stencil product name and |
| grade ou each drum. |
| |
| |
| |
| |
| |
| |
| |
| |
| |

Foremost-McKesson, Inc. INTER-OFFICE/INTRA-COMPANY MEMO

| — TO ← | FROM | |
|-----------------------------|-------------------------|--------------------------|
| LOCATION AND COMPANY | LOCATION AND COMPANY | DATE 5/14/8/ |
| ATTENTION OF COLUMN SUBJECT | INDIVIDUAL (ORIGINATOR) | ADDITIONAL COPIES TO |
| H2O2 Repack K | equest from WRO | BCW |
| MESSAGE / Pachages | I disgest the | use of dedicated |
| drime colorel | distinctively to | dentify them as |
| mushans while | Il This would of | Il reinforce the need |
| Las the perstones on | It to but anothers | else in the drim. |
| | tand the driens or | mest be labelled |
| "This Sile Up | 1) Invest and draw | in to went get 2) Wisuch |
| inspect 3) Rince | once with slionize | ed water, drain to |
| next at 4 allon | - to any dry while | inverted or dry |
| REPLY And to now | t nit 6 Reuli | is to await refill |
| 3. Label : N | I'm jutting a late | el fogether non- |
| ready for print | ing soon . | |
| Common for | | |
| Commune | | |
| | | |
| | | |
| | | |
| | | DATE OF REPLY |
| | | |

Foremost-McKesson, Inc.

INTER-OFFICE/INTRA-COMPANY MEMO

| TO TO |
|---|
| LOCATION AND COMPANY ADDITIONAL COPIES TO |
| Region 40 Mein 5/18/81 |
| ATTENTION OF INDIVIDUAL (ORIGINATOR) |
| W.B. Westrape O. Flerry BW-HO, AMM - WRO SUBJECT Repark Request - Holz 31/2 Reagent DIE-HO, E1918-SFDis |
| SUBJECT Legack Request - And 31/2 Keagent DIE-HO, E1918-SFDis |
| S.F. Bay |
| MESSAGE Doug Fisher looked of subject request from QC |
| standpoint and recommends 1.) Dedicated, color- |
| coded drums 2.) Drain any heel to newt pit & cosually |
| inspect 3) Kinse with D-T water and dirain 4) Envert |
| to air-day or siphon drawn rinse heel to pit, and |
| 5) replieg until ready to fill. This will mean |
| senting a desonizing unit, setting up a drum |
| inspection light and siphon, and a pretty slow |
| process. Since the profit is excellent we'll presume |
| you can meet these recommendations, and |
| will continue the sequest review unless you advise other |
| REPLY Doing is prepared to print the necessary |
| new fatel. |
| Carl |
| |
| De Maria de Some Info Com Dufont |
| Fish was a distribution of the state of the |
| ou me |
| |
| |
| |
| DATE OF REPLY |
| |
| |

1

ADDRESSEE'S COPY

MAY 121981

Copies To:

E. M. Burner, S.F. District

A. M. McMahon, WRO

Date:

May 7, 1981

From:

Location:

Western Chemical Region

Individual:

Bill Westrope

Subject:

HOOO REAGENT REQUEST TO REPACKAGE

Enclosed is a request to repackage Hydrogen Peroxide 31% Reagent from the Union City Branch. Their intent is to install a fill line from the rail station to their existing corrosive fill station and package into ACT returnable HDPE drums.

If approved, we need assistance on establishing container cleaning procedures prior to refill and we also will need labels.

Please contact if you have any questions.

Bill Westrope

sw

Encl.

over sure con

RECEIVED

MAY 11 1981

INSTESSON CHEMICAL COMPANY

1

18 70 P

REQUEST TO REPACKAGE (Revised - Jan. 1971)

| • | Date | 5/5/81 | · . |
|--|--|----------------------------|------------------------------|
| | // | Dranun | = 31% |
| Name and Grade of Item to be Repacked | TYDROGEN | RE | ACENT |
| Instructions - A separate form must b Insert information whe which do not apply. W | e completed for | d delete uni | ts which |
| which do not apply. W | et concise. | | |
| CURRENT INFORMATION | | | |
| FOAR CORP. | | \$ | |
| Name of Supplier Title Supplier How is material now being obtained? | TANK / CA | R J/LI | Zums. |
| f container 4 | 90# FIB | ER LINE | D |
| 3. Size and type of container | | | |
| 4. Net Weight 480 1bs. | • | | |
| 5. Amount of Supplier's Container Depo | osit \$ NA | | |
| 6. Present cost into stock including f | Freight but less | s any allowar | 10es 38.50 - 10% |
| a) Unit Cost \$36,7 | 8 (cvt) (50 | 封 | + FRT |
| b) Package Cost \$ 17 | 6.54 - ea | ch | |
| 7. Number of Current Branch Customers | | | • |
| 8. Average monthly Sales to these Cus | | (drums |) (cphs)/wo: |
| PACKAGING PROPOSAL | , ' · · · · · · · · · · · · · · · · · · | · | |
| 1. Name of Supplier (s) FM | <u> </u> | - | |
| | The state of the s | | |
| 2. Is material to be Packed from Supp | | | (No |
| If yes, Supplier's container De | eposit is \$ | | . • |
| If no, complete items 3 and 4 | below | | |
| 3. 4000 gallons of Bulk mate compartment (tank car) (tank identify other items in the lo | thuck). II iiii | ceived in (note than one c | ulti) (single compartment |
| | ************************************** | | |
| | | | |

Branch (NOION OTTY

| 4. Bulk M | faterial will be loaded: /// In | nto a storage ta | nk | |
|------------|--|------------------|------------------|--|
| | Directly into Containers / | | | |
| | container is to be filled to | | | , . . |
| | / Non-Returnable (N/R) which m | | | |
| | costing \$each. A | | |) No |
| 15 | Returnable and the Deposit t | | | |
| | Type of Style Container | | | |
| | Sufficient containers are pr | esently on hand | Tyès 📈 No |) |
| r . | must purchase 200 at | \$ 25,00 | A A A A | , 00 |
| 6. McKes | son label, Code Number LAGS not available, attach a copy of | vill be use | d. If a McKesso | on label |
| cos Off | nate Repack Cost - Use latest is to estimate direct labor and lice if information is not available period ending | lable. Informat | ion is taken fr | om report |
| • | | Per Package | Unit Cost | 27,100 10 + 3,425,0 |
| | a) Bulk Material | ¥36.80 | .2850 # | F 201 W111 |
| | b) N/R Container | | *quantity | 400 |
| | c) Direct labor | .67. | .0014# | |
| | d) Overhead | 7,20 | ,015世 | <u>.</u> . |
| 3 | e) Total cost to repack | 144.67 | .3014 | |
| | f) Present cost (A-6) | 176.54 | .3678 | _ |
| | g) Additional Profits | 31.87 | 1:0664# | The state of the s |
| • | Amount of profit improv | | epacking (existi | ng business |
| | en de la companya de La companya de la co | d . | • | |
| • | 72 x 31.8 | 7 x 12 = | \$ 27535.6 | per year |
| · | Avg Sales/mo. (A-8) Add'l Pro | fit/Pkg | | • |

^{*} Department of Transportation

| REQUEST | TO | REI | A GKA | <u> </u> | CON | T) |
|---------|------|-----|-------|----------|-----|----|
| (Rev. | ised | | Jan. | 19. | 71) | |

| 8. | potential hazards_and their recommendations for handling the this material? Yes / No. If not has this literature been requested? / Yes / No. |
|--------|--|
| 9 | |
| | If yes, the required Caution label is $\overline{//}$ White $\overline{/\cancel{x}/}$ Yellow |
| • | // Red // Other, explain OX/D/ZER |
| 10 | |
| | /_/ Are adequately equipped requiring only a nominal amount of expense |
| | estimated at \$ for miscellaneous hose, fittings, etc. |
| | Will require additional equipment or modification of a Capital nature |
| | estimated at \$ 15000. This is provided in the Budget // Yes /X/ No. |
| | Furnish complete details. Alumana VIVIA, VALVES, X-MESTACE, ETC. |
| | |
| o., I | PERSONNEL REQUIREMENTS - Advise if additional employees will be needed and the resulting additional layor expense. |
| • | NONE |
| | |
| D. | ADVANTAGES AND OTHER COMMENTS |
| | 1. As a result of repacking, additional business can be expected in the near term as follows: |
| • | a) Number of new accounts |
| • | b) Additional packages to be sold per year |
| | c) Additional annual sales \$ |
| | d) Additional gross profit \$ |
| | 2. Besides an apparent savings, just why is this repackaging being requested? If a competitive situation is involved, briefly discuss who, where and the exact nature of the competition. |
| | |
| , | |
| | |
| | (1) (Mulle 5/6/8) |
| e B | But (Natrice Manager) (Date) (Regional Manager) (Date) |
| r an c | h Manager) (Date) (District Manager) (Date) (Regional Manager) (Da |

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF | San Francisco | | Region Approved_ | 3/21/83 |
|--------------------------------|---------------------------|---------------|--------------------------|--------------------|
| Item Isophoron | е | | | |
| Supplier(s)U | nion Carbide | | TOSCA No.(s) | |
| | • | | | |
| Packed From | Tank Truck | | UN No. | |
| nor Class | Non-regulated | | | C48PS5 425 1bs. |
| /X/ Non-Retu | New or Reco | | Returnable | |
| Product waste | to be regarde | d as hazar | Other TLV 5 ppm Hazard | No // |
| SPECIAL NOTES - Exhaust equipm | nent <u>must</u> be opera | ating during | | |
| - In addition to | labeling, stend | cil each drum | n " <u>Isophorone</u> ". | |

- See Repack Instruction Sheet, attached.

| TOWN ADDROVAL | CPP ! | Date: | 4-4-83 |
|-----------------------|-------------|-------|--------|
| HOME OFFICE APPROVAL_ | C.R. Piercy | | |
| | \ | | |

REVIEW OF BRANCH REQUEST TO REPACKAGE

| Branch/PRF <u>San Francisco</u> | Region Approved 3/21/83 |
|---|---|
| Item <u>Isophorone</u> | Request to Repack Shows: |
| Supplier(s) <u>Union Carbide</u> | Present Sales /20 Dms /Yr. Addn Sales /Yr. |
| Packed From Tank Truck | Savings/Profit |
| DOT Class Non-regulated UN No. | TOSCA No |
| Container Type <u>DOT 17E 20/18 Ga.</u> New Pecond. | Commodity Label C48PS5 Net Weight(s) 425 lbs. |
| /X/ Non-Returnable /_/ Returnable | rnable @ \$ Deposit |
| Sp. Gr. Flash Point 179/205 | OF TLV 5ppm Other |
| Product waste to be regarded as haza | rdous: Yes // No // |
| ROUTING: YES | NO Initial and Date |
| 1. C.R. Piercy 2. D.L. Eisner 3. B.Mowers 4. J. Lacey 5. M. A. Minor 6. D. A. Davis | 1 3-25-53 1 3-25-53 1 3-28-83 2 3-28-83 2 3/30/33 |
| COMMENTS: 7. C. R. Piercy | |
| Orde: (G) (TF) as above (TH) | |

A.

REQUEST TO REPACKAGE (Revised - Jan. 1971)

tickesson Chemical Go

MAR 21 1983

Nestara Regin.

MAR 2 4 1983

| Branch | SFBAY (UNIONCLT) | نرا |
|--------|------------------|-----|
| Date_ | 2-14-83 | • |

Name and Grade of Item to be Repacked ISOPHOROWE

Instructions - A separate form must be completed for each package size.

Insert information where requested and delete units which do not apply. Where comments are are requested, be as complete as possible yet concise.

| • | | |
|-----|-------|--|
| | CURRI | ENT INFORMATION |
| | 1. | Name of Supplier UNION CARBIDE |
| | 2. | How is material now being obtained? FACTORY PACKS |
| | 3. | Size and type of container 425# DR- |
| • | | Size and ogio |
| | 4. | Net Weight 425 1bs. |
| • | 5. | Amount of Supplier's Container Deposit \$ None |
| ٠., | 6. | Present cost into stock including freight but less any allowances |
| ÷. | : | a) Unit Cost \$.92L-5% (cwt) (gal.) |
| • | | b) Package Cost \$371.45 (each) |
| : | 7. | Number of Current Branch customers of two ~ 16M - 185 SPERRY |
| | 8. | Average monthly Sales to these Customers (drums) (ebys)/mo. 18M Bove#+ 84 - 6/82 155 " 30 - 8/8/ |
| | PAC | KAGING PROPOSAL |
| | 1. | Name of Supplier(s) UNION CARBIDE |
| | ٠. | |
| | 2. | Is material to be Packed from Supplier's Drums? / / Yes / No |
| | : | If yes, Supplier's container Deposit is \$ |
| | | If no, complete items 3 and 4 below |
| | 3. | 2200 gallons of Bulk material will be received in (multi) compartment (tank car) (tank truck). If more than one compartment identify other items in the load |
| | | |
| | | |

| REQUEST TO | REPAG | CKAGE | (CONT.) |
|------------|-------|-------|---------|
| (Revised - | Jan. | 1971) | İ |

| | ~ T n | al will be loaded: // Into | 7 Other (explain) | |
|-----------|----------------|---|---|---|
| | | ner is to be filled to 426 | 5 (1bs'.) (gal) n | et and is, |
| 5. | Each contain | on-Returnable (M/R) which mee | ts DOT* Specificat | ion |
| | | costing \$ <u>14.00</u> each. A 1 | ining is required | Yes No |
| | | Returnable and the Deposit to | Customers is to be | \$ |
| | <i></i> | Type of Style Container <u>007</u> | T 175 2011 | 8 GA. RECONÓ |
| | • | Sufficient containers are pre | contiv on hand | ✓ Yes // No |
| | | Sufficient containers are pre | & | each |
| | | must purchase at | | |
| 6. | McKesson 1 | abel, Code Number <u>C48055</u> ilable, attach a copy of the EXANONE LABEL-GUT OF Capack Cost - Use latest Branch | Supplier's label. | AND STENCEL |
| • , | CVCLOHI | XANDNE LABEL-GUT OF | L Panak Quarter 1 | Analysis of |
| 7. | | | | |
| | | stimate direct labor and overly information is not available dending Current | | |
| • | tor berro | Chams | sa silver significant | |
| | • | • | | |
| | | • | Per Package | Unit Cost |
| | | | 1 | 1 |
| | a) | Bulk Material | 334.50 | . 7.8 |
| | a) b) | Bulk Material N/R Container | 1 | .78 .0329# |
| | | | 354.90 | |
| | . b) | N/R Container | 334.50 14.00 | .0329 [#] |
| | b) c) | N/R Container Direct Labor | 334.50 14.00 | .0329 [#] |
| | b) c) d) | N/R Container Direct Labor Overhead | 334.50 14.00 | .0329 [#] |
| | b) c) d) | N/R Container Direct Labor Overhead Total cost to repack Present cost (A-6) Additional Profits | 331.50 14.00 14.00 1.26 5.53 352.29 375.69 371.45 19.16 | .0329 ^t 00297 ^f 013 |
| | b) c) d) e) f) | N/R Container Direct Labor Overhead Total cost to repack Present cost (A-6) | 331.50 14.00 14.00 1.26 5.53 352.29 375.69 371.45 19.16 | .0329 ^t 00297 ^f 013 |

Very Linited State life 2-3 norths

| 8. | Does th potenti this ma request | Branch have up-todate Supplier's literature concerning all hazards and their recommendations for handling and storing terial? / Yes / / No. If not has this literature been ed? / Yes / / No. |
|--------------|--|--|
| 9. | As clas | sified by DOT, is this material "regulated"? / / Yes / No |
| • | If yes, | the required Caution label is // White // Yellow |
| • | | Red / Other, explain |
| 70. | | le this item, Branch Repackaging facilities: |
| | | Are adequately equipped requiring only a nominal amount of expense |
| | • | Estimated at \$ for miscellaneous hose, fittings, e |
| • | | Will require additional equipment or modification of a Capital nature |
| | | estimated at \$This is provided in the Budget |
| | • | // Yes // No. Furnish complete details. |
| | | |
| PERS | ONNEL REC | UIREMENTS - Advise if additional employees-will be needed and the resulting additional labor expense. |
| ADVA | NTAGF ANI | NONE |
| | | OTHER COMMENTS |
| <u>ADVA</u> | As a res | NONE |
| | As a res | OTHER COMMENTS ult of repacking, additional business can be expected in the |
| | As a res | OTHER COMMENTS ult of repacking, additional business can be expected in the m as follows: |
| | As a respect terms a) | OTHER COMMENTS ult of repacking, additional business can be expected in the mas follows: Number of new accounts |
| | As a respect to a) | OTHER COMMENTS ult of repacking, additional business can be expected in the mas follows: Number of new accounts Additional packages to be sold per year |
| 1. 2. Bes | As a respect to the following states and a competitions. | OTHER COMMENTS ult of repacking, additional business can be expected in the mas follows: Number of new accounts Additional packages to be sold per year Additional annual sales \$ |
| 2. Bes | As a respect to the following states and a competitions. | OTHER COMMENTS uit of repacking, additional business can be expected in the mas follows: Number of new accounts Additional packages to be sold per year Additional annual sales \$ Additional gross profit \$ apparent savings, just why is this repackaging being requested? itive situation is involved, briefly discuss who, where and the |
| 1. 2. Bes | As a respect to the following states and a competitions. | OTHER COMMENTS uit of repacking, additional business can be expected in the mas follows: Number of new accounts Additional packages to be sold per year Additional annual sales \$ Additional gross profit \$ apparent savings, just why is this repackaging being requested? itive situation is involved, briefly discuss who, where and the |



MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: May 1, 1981



| PRODUCT NAME: | Isophoron | e | | | | | |
|--|----------------------|---|---------------------|------------------------------|---|--|--|
| CHEMICAL NAME: | Isophoron | orone | | CH | EMICAL FAMILY: | Ketones | |
| ORMULA: | COCH: C(| CH ₃)CH ₂ C(CH ₃) ₂ CH ₂ | | MC | DLECULAR WEIGHT: | .138.21 | |
| SYNONYMS: | 3, 5, 5, Tr | methyl-2-cyclohexen-1 | -one | | | | |
| DEPARTMENT OF HAZARD CLASSIFICATION | | | | oustible Liq | uid | | |
| TRANSPORTATION SHIPPING NAME | | | | nt, NOS | | | |
| CAS # 78-59-1 | CAS N | ** * | | | clohexen-1-one | udistronala data | hand the Marie of the said and distinct to say a |
| enggreege engelegen gewenne gewenne gewenne Gestaar en sell have de bekanne en selve Eth | | II. PH | YŞIC | AL DA | TA | . ئېستىتىنىدۇنىلىدا | The second of the second |
| BOILING POINT, 760 | | 215.3 °C (419.5 | 5°F) | FRE | EZING POINT | 7 | -8.1 °C(17.4 °F) |
| SPECIFIC GRAVITY (H ₂ O = 1) | | 0.9220 at 20/20 | o°c | VAP | OR PRESSURE at 20 | ,c | (< 0.01 kPa) < 1 mm Hg |
| VAPOR DENSITY (air = 1) | | 4.8 | | | UBILITY IN TER, % by wt. | | 1.2 |
| PER CENT VOLATILES BY VOLUME | | NìI | | | EVAPORATION RATE (Butyl Acetate = 1) | | 0.02 |
| APPEARANCE AND | ODOR | Water-white liq | uid; mil | d odor, | | WALLES VON THE TOTAL OF THE TOT | |
| the later of the south of the south | the software and and | M. IV | İĞRE | DIENT | S | | |
| MATERIAL | | | % | , | TLV (Units) | HAZARD | |
| | Isophorone | | 97+ | 5 pr 25 r | om ceiling (ACGIH) | | Irritant |
| | Trimethyl | | | | | | |
| | cyclohexene | one isomer | <3 | | | | |
| | B-xylitones | | | | | | |
| Salaring and the salaring section of the salaring salaring salaring salaring salaring salaring salaring salari Salaring salaring | | 7. FIRE AND E | XPLO | SION | HAZARD DAT | A | proprietariste parista, entres mente. Ball sentitive infraesialisticalist and p |
| FLASH POINT | | Tag Closed Cup | , addies 444. | المنتقق بالمسهلي ويسادرها فأ | AND MADELLINGER - TO SANDER SECRETARISM TO A CALLED | Mark country of which spices have been been been been been been been be | |
| [test method(s)] | 205°F, | Cleveland Open Cup | | | | | |
| FLAMMABLE LIMITS | S IN AIR, % | by volume | | LOWER | 0.8 | UPPER | 3.8 |
| EXTINGUISHING MEDIA Use water spra foams applied | | | iy, carbo by man | on dioxide, ufacturers i | dry chemical, alcohol-t recommended techniqu | ype or unive | ersal-type |
| SPECIAL FIRE FIGH PROCEDURES | ITING | Use supplied b | preathin | g air and pr | otective clothing. | | |
| - | | | | | | | |

While Union Carbide Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which Union Carbide Corporation assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federat, State, and local laws and regulations.

EMERGENCY PHONE NUMBER
304/744-3487
This number is available days, nights, weekends, and holidays.

UNION CARBIDE CORPORATION • SOLVENTS AND INTERMEDIATES DIVISION OLD RIDGEBURY ROAD, DANBURY, CT 06817

V HEALTH HAZARD DATA

| TLV AND SOURCE: 5 ppm (C) ACGIH 1980 |). 25 ppm OSHA CFR 29, Para. 1910,1000, Table Z-1. |
|--------------------------------------|---|
| ACUTE EFFECTS OF OVEREXPOSURE | Moderately toxic by swallowing. Symptoms of poisoning |
| SWALLOWING | will include irritation of mouth and throat, hausea, vointing, abdominal discomfort and drowsiness. |
| SKIN ABSORPTION | Prolonged and/or extensive exposure may result in the absorption of harmful amounts of material, |
| INHALATION | Inhalation of moderately high concentrations of vapor may cause irritation of nose and throat, nausea, headache, dizziness and faintness. |
| SKIN CONTACT | Mild to moderate reddening, depending on duration of contact, |
| EYE CONTACT | Vapor is mildly irritant to the eye. Liquid causes severe eye injury. |
| CHRONIC EFFECTS OF OVEREXPOSURE | Prolonged exposure to vapor concentrations in excess of the TLV may cause fatigue and malaise. |
| OTHER HEALTH HAZARDS | None currently known. |
| EMERGENCY AND FIRST AID PROCEDURES: | |
| SWALLOWING | Do not induce vomiting, Call a physician. |
| SKIN | Remove contaminated clothing and wash skin with soap and water. |
| INHALATION | Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Call a physician, |
| EYES | Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention, preferably an ophthalmologist urgently. |

NOTES TO PHYSICIAN

Aspirated isophorone may cause severe lung damage and present a significant hazard. Stomach contents should be evacuated quickly in a manner which avoids aspiration. Otherwise, treatment is directed at the control of symptoms and the clinical condition. No specific antidote is known.

VI. REACTIVITY DATA STABILITY CONDITIONS STABLE UNSTABLE None TO AVOID INCOMPATIBILITY Strong oxidizing agents. (materials to avoid) HAZARDOUS COMBUSTION OR Burning can produce carbon monoxide and/or carbon dioxide. **DECOMPOSITION PRODUCTS** HAZARDOUS POLYMERIZATION CONDITIONS Will not Occur May Occur None TO AVOID VII. SPILL OR LEAK PROCEDURES Wear suitable protective equipment, Small spills should be flushed with large quantities of water, STEPS TO BE TAKEN Larger spills should be collected for disposal. IF MATERIAL IS RELEASED Toxic to fish; avoid discharge to natural waters. OR SPILLED Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations. WASTE DISPOSAL METHOD VIII. SPECIAL PROTECTION INFORMATION Self-contained breathing apparatus in high concentrations. RESPIRATORY PROTECTION (specify type) This product should be confined within closed equipment, in which case general (mechanical) room ventilation is expected to be satisfactory. Special, local ventilation should be provided at points where VENTILATION vapors can be expected to escape to the workplace air. EYE Monoggles Rubber **PROTECTION** PROTECTIVE GLOVES OTHER PROTECTIVE Eye bath, safety shower. **EQUIPMENT** IX. SPECIAL PRECAUTIONS PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not get in eyes, on skin, on clothing. Avoid breathing vapor, Keep container closed. Use with adequate ventilation, Wash thoroughly after handling. Do not swallow. FOR INDUSTRY USE ONLY OTHER PRECAUTIONS F-43065C Printed In U.S.A. 9/81-1M

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch | Union City | Region Approved 2/16, | /82 |
|--|--|---|--|
| Item | Isopropyl Acetate | | |
| | s) Union Carbide | Request to Repac | k Shows |
| | · | Present Sales | |
| DOT Class | rom Comp. Tank Truck s Flammable r Type DOT 17E - 55 Gal. New or Recond. | Commodity Label_ Net Weight | |
| Product SPECIAL St No Be | /X/ Non-Returnable / Point 60 o.c. OF TLV waste to be regarded as hazardo NOTES AND/OR PRECAUTIONS tatic grounding equipment must open flame or unprotected light cautious of contamination when the system and observe a sent addition to labeling, stencil | be used. Inspect that the permitted in a switching compared to be sure. | before each use. repack area. rtments. Carefully |
| The Regination instruction in the most | FICE APPROVAL C.R. Pierce of the control of the co | and on the reverse ty and handling as equipment availab | side special an aid to the ole to them in |
| Complet | ed ByTitle_ | | Date |
| | | | |

REVIEW OF BRANCH REQUEST TO REPACKAGE

| Branch Union City | Region Approved 2/16/82 |
|--|---|
| Item Isopropyl Acetate | Request to Repack Shows: |
| Supplier(s) Union Carbide | Present Sales 120 Dms. /Yr |
| Bupp 1101 (2) | Addn. Sales/Yr |
| Packed From Tank Truck | Repack Cost |
| POT Class Flammable | Savings/Profit - / \$1,824. /Yr |
| | |
| New or Rocard. | Commodity Label E23PS1C Net Contents 392 lbs. |
| / / / | Deposit OTHER rdous: YES / X NO / |
| ROUTING: 1. C.R. Piercy 2. D.L. Eisner 3. D.A. Davis 4. R.F. Tomeo 5. B.L. Wilcox, Jr. 6. C.R. Piercy COMMENTS: 1. No operational 4/ Answer to 1-1-ctd d Code: (8) | no Initial and Date 2/26/82 Droblem 5 and ficijanted. D-2 - in complete. |

| | (Revised - Jan. 1971) |
|-------|---|
| | Branch SF BAY (UNION CA |
| | Date /-19-82 |
| | Name and Grade of Item to be Repacked /SOPROPYL ACETATE |
| | Instructions - A separate form must be completed for <u>each</u> package size. Insert information where requested and delete units which do not apply. Where comments are are requested, be as complete as possible yet concise. |
| ٠, | |
| A. | CURRENT INFORMATION |
| | 1. Name of Supplier UNION CARBIDE |
| | 2. How is material now being obtained? 55 GAL DRUMS |
| | 3. Size and type of container 55 GAL 17-E-20/18 GA |
| | STEEL RECOND DRUMS. |
| | 4. Net Weight <u>392</u> 1bs. |
| - • | .5. Amount of Supplier's Container Deposit \$ |
| ٠. | 6. Present cost into stock including freight but less any allowances |
| * *** | a) Unit Cost \$ $.5/# - 5\%$ (cwt) (gal.) |
| - | b) Package Cost \$ 192.83 (each) |
| • | 7. Number of Current Branch customers / |
| | 8. Average monthly Sales to these Customers (drums) (cbys)/mo. |
| | |
| В. | PACKAGING PROPOSAL |
| | 1. Name of Supplier(s) UNION CARSINE |
| | |
| | 2. Is material to be Packed from Supplier's Drums? / Yes / No |
| • | If yes, Supplier's container Deposit is \$ |
| | If no, complete items 3 and 4 below |
| | 3. 1000 gallons of Bulk material will be received in (multi) compartment (tank car) (tank truck). If more than one compartment identify other items in the load |

REQUEST TO REPACKAGE

| REQUEST | T0 | REPAG | CKAGE | (CONT.) |) |
|---------|-----|-------|-------|---------|---|
| (Revise | d - | Jan. | 1971) | | |

| | | · | - | |
|----|---------------------------------------|--|---|-----------------------|
| 4. | Bulk Mater | rial will be loaded: / | Into a storage tank | , |
| | 131 | Directly into Containers / | |) |
| 5. | Each cont | ainer is to be filled to 3 | 92 (1bs.) (gal) | net and is, |
| | / | Non-Returnable (N/R) which | meets DOT* Specifica | tion |
| , | · · · · · · · · · · · · · · · · · · · | costing \$each. | | |
| | | Returnable and the Deposit | | |
| | | Type of Style Container 55 | 5 GAL 17-E ST | EEL 20/18 6A. |
| | • | Sufficient containers are 1 | presently on hand /_ | Yes // No |
| | • | must purchase | at \$ | each |
| 6. | McKesson is not a | label, Code Number <u>F23Ps</u> vailable, attach a copy of t | <u>(C</u> will be used. he Supplier's label. | If a McKesson Label |
| 7. | cost to (| Repack Cost - Use latest Br estimate direct labor and ov f information is not availab od ending | de. Information is | taken from report |
| | , | · · · · · · · · · · · · · · · · · · · | | |
| | | | Per Package | 1 |
| | a) | Bulk Material | 155 92 | .43L -71/27 |
| | . b) | N/R Container | 21.00 | 21.00 EA. |
| | · · · · · · c) | Direct Labor | .58 | 10.41 |
| ٠ | d) | Overhead | .13 | 1.30 CWT |
| | e) | Total cost to repack | 177.763 | |
| | f) | Present cost (A-6) | 1900 | |
| • | g) | Additional Profits | 15.20 | , |
| | <i>,</i> | Amount of profit improve | ment through repacki | ng (existing business |
| | | 10 x. 15 | .20 x 12 / | 824.00 per year |
| | n `8 | Sales/mo (A-8) Add'l Pro | • • | |
| | WAR. | ou real months of | • | • |

| | 8. | Does the Branch have up-todate Supplier's literature concerning potential hazards and their recommendations for handling and storing this material? / Yes / / No. If not has this literature been requested? / Yes / / No. |
|-------|--------------|--|
| | 9. | As classified by DOT, is this material "regulated"? Yes / / N |
| | • | If yes, the required Caution label is // White // Yellow |
| | | / Red / / Other, explain |
| | <u> 1</u> 0. | To handle this item, Branch Repackaging facilities: |
| | | /X/ Are adequately equipped requiring only a nominal amount of expense |
| | | Estimated at \$ for miscellaneous hose, fittings, |
| | | // Will require additional equipment or modification of a Capital natu |
| | | estimated at \$This is provided in the Budget |
| | | // Yes // No. Furnish complete details. |
| • | | |
| C. | PERS | ONNEL REQUIREMENTS - Advise if additional employees-will be needed and the resulting additional labor expense. Nome |
| D. | ADVA | YTAGE AND OTHER COMMENTS |
| | | As a result of repacking, additional business can be expected in the near term as follows: |
| • | | a) Number of new accounts 3 |
| | • | b) Additional packages to be sold 180 per year |
| | | c) Additional annual sales \$ </td |
| | | d) Additional gross profit \$ ₹? |
| | 11 | sides an apparent savings, just why is this repackaging being requested? a competitive situation is involved, briefly discuss who, where and the act nature of the competition. CANNOT ODTAIN FROM |
| * | | SUPPLIER |
| الاين | Ða | Frome 2/10/82 God Summ 216-83 AM Mrs. |
| Α, | (Braz | och Manager) (Date) (District Manager) (Date) (Regional Manager) (D |



MATERIAL SAFETY DATA SHEET



12 Department of Labor "Essentially Similar" to Form LSB-00S-4)

ISOPROPYL ACETATE CHEMICAL NAME: CHEMICAL FAMILY: Esters Acetic Acid, Isopropyl Ester SYNONYMS: MOLECULAR WEIGHT: 102,13 CH3COOCH(CH3)2 FORMULA: TRADE NAME AND SYNONYMS: Isopropyl Acetate I PHYSICAL DATA -69,3°C. FREEZING POINT BOILING POINT, 760 mm. Hg 88.5°C, (191.3°F.) VAPOR PRESSURE at 20°C. 42 mm. Hg 0,8737 at 20/20°C. SPECIFIC GRAVITY (H2O =1) SOLUBILITY 2,9 IN WATER, % by wt. at 20°C, 3,52 VAPOR DENSITY (air = 1) EVAPORATION RATE 5 PER CENT VOLATILES (Buty) Acetate = 1) 100 BY VOLUME Water-white liquid; nonresidual odor. APPEARANCE AND ODOR TEHAZARDOUS INGREDIENTS TLV (Units) MATERIAL Not applicable III. FIRE AND EXPLOSION HAZARD DATA AUTOIGNITION 860°F. FLASH POINT 60°F., Tag open cup TEMPERATURE (test method) 8,0 **UPPER** LOWER 1.8 FLAMMABLE LIMITS IN AIR, % by volume Carbon dioxide or dry chemical for small fires. **EXTINGUISHING** Ordinary foam for large fires. **MEDIA** SPECIAL FIRE FIGHTING None **PROCEDURES** UNUSUAL FIRE AND None EXPLOSION HAZARDS EMERGENCY PHONE NUMBERS Dr. C. U. Dernehl, 212/551-4785; 914/946-0646 (night) Dr. K. S. Lane, 212/551-4787; 914/666-3656 (night) C. P. Carpenter, Ph.D., 412/327-1020; 412/241-7896 (night) Legal responsibility is assumed only for the fact that all studies reported here and all opinions are those of qualified experts UNION CARBIDE CORPORATION CHEMICALS AND PLASTICS 270 PARK AVENUE, NEW YORK, N.Y. 10017

| HRESHOLD LIMIT VALUE | 250 ppm. | | | | - 1 | |
|---|------------------------------------|--|--|--|---|--|
| FFECTS OF OVEREXPOSURE | Headache, naus Repeated skin | Headache, nausea, vomiting, and loss of consciousness. Repeated skin contact may cause chapping. | | | | |
| MERGENCY AND FIRST AID PROCEDURES | If inhaled, rem then, give oxys | If inhaled, remove to fresh air. Give artificial respiration if breathing has stopped; then, give oxygen and call a physician. Flush skin or eye contact with water. | | | | |
| | V. F | EACTIVITY DATA | The state of the s | | E CONTRACTOR | |
| STABILITY UNSTABLE STABLE | CONDITIONS TO AVOID | Avoid heat, fire, and sparks. | | | | |
| NCOMPATIBILITY materials to avoid) | Avoid contam | ination with strong alkalies, | | | | |
| JAZARDOUS DECOMPOSITION PRODUCTS | Thermal deco | mposition may produce carbon mon | oxide and/or carb | on dioxide. | | |
| IAZARDOUS POLYMERIZATIO May Occur Will not Occu | CONDITIONS | None | | | | |
| | VIESPILL | OR LEAK PROCEDU | RES | | 福 | |
| TEPS TO BE TAKEN F MATERIAL IS RELEASED O | R Flush with la | ge volumes of water. | | , | • | |
| VASTE DISPOSAL METHOD | Incinerate in | | | en en en en en en en en en en en en en e | মুদ্র | |
| V | II. SPECIAL | PROTECTION INFOF | RMATION | End and the state of the | | |
| TESPIRATORY PROTECTION (specify type) | Air-supplied | mask in confined areas | | | ~~ ~~ | |
| LOCAL EXHAI | , | | SPECIAL | yacra com- | | |
| 'ENTILATION MECHANICA (general) | L Acceptable | | OTHER | | | |
| ROTECTIVE GLOVES | Advisable | | EYE PROTECTION | Goggles | *************************************** | |
| OTHER PROTECTIVE QUIPMENT | Safety show | er and eye bath | | | - | |
| | VIII. SI | PECIAL PRECAUTION | IS | | | |
| ISOPROPYL ACETATE WARNING! FLAMMABLE. BREATHING OF VAPOR MAY BE HARMFUL Keep away from heat, sparks, and fire, Do not leave container open, Use with adequate ventilation. Avoid prolonged or repeated breathing of vapor. Avoid prolonged or repeated contact of liquid with skin. FOR INDUSTRY USE ONLY | | | Mail' Oge | | | |
| | | | | | | |

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| BRANCH San Francisco Branch REQUEST DATED 6-18-71 REGION APPROVED 6-28-71 |
|---|
| ITEM Isopropanol GRADE 99% |
| SUPPLIER(S) Union Carbide Corp. |
| PACKED FROM Compartment Tank Trucks |
| DOT REGULATED Yes COMMODITY LABEL McKesson (9STA/122PSTB) |
| CONTAINER TYPE DOT 17E 20/18 Drums NET CONTENTS 54 gallons |
| /x/ NON-RETURNABLE // RETURNABLE AT \$ DEPOSIT |
| FLASH POINT 63 °F |
| SPECIAL NOTES AND/OR PRECAUTIONS : . |
| Prior to filling, each drum must be reconditioned by a reliable Drum House in accordance with DOT regulations for reuse and bear the DOT approval stamp. |
| No open flame or unprotected lights permitted in repack area. |
| Static Grounding equipment must be used. Inspect before each use. |
| Be cautious of contamination whem switching compartments. Carefully flush the system and observe a sample to be sure. |
| Stencil each drum "Isopropanol-Red Label". |
| HOME OFFICE APPROVAL DATE DATE |
| The Regional Office will insert below and on the reverse side special instructions, procedures, tips on safety and handling as an aid to the Branch in utilizing the facilities and equipment available to them in the most efficient manner. When completed, sign and date the form and send copies to the Branch, along with copies for Home Office, Region and District files. |
| |
| |
| OCT 08 1971 |
| - White we full to |

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COMPLETED BY

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TTTT.E

HOME OFFICE REVIEW OF BRANCH REQUEST TO REPACKAGE

| | Item ALCOHOL 99% |
|---|------------------|
| Branch SAN FRANCISCO (SAY Date Recod Date Recod | |
| APPROVAL: Yes No Initial & Date 1. A. S. Barada 2. R. D. Shaw 3. J. P. Hobe 4. V. T. Staraci 5. C. A. Gafney Please return to A. S. Barada | 3°F Doint |
| 2. ASB has approved. Expellent solar growth polintial, g Latter to be further improved it good source of recorpere located. See rotated requests for MFK, Butyl Cellosolve, Me (5) 1. | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

REQUEST TO REPACKAGE
(Revised - Jan. 1971)

| | Branch San Flancisco Chemicul |
|------------|--|
| | Date June 18, 1971 |
| Nam | e and Grade of Item to be Repacked Isopropyl Alcohol 99% |
| | nstructions - A separate form must be completed for <u>each</u> package size. Insert information where requested and delete units which which do not apply. Where comments are requested, be as complete as possible yet concise. |
| ourn. | RENT INFORMATION |
| . , | Name of Supplier Union Carbide Corporation |
| 1. | How is material now being obtained? Drum T/L Combination , |
| 2. | Size and type of container 54 Gallon Steel Drums 17E |
| 3. | Size and type of container |
| 4. | Net Weight 355 1bs. |
| . 5. | Amount of Supplier's Container Deposit \$ None |
| 6. | Present cost into stock including freight but less any allowances |
| | a) Unit Cost \$ <u>.676</u> (cwx) (gal) |
| | b) Package Cost \$ 36.53 each |
| 7. | Number of Gurrent Branch Customers 15 |
| | Average monthly Sales to these Customers 12 (drums) (XBYs)/mo: |
| B. PAC | KAGING PROPOSAL |
| 1. | Name of Supplier (s) Union Carbide Corporation |
| 2. | Is material to be Packed from Supplier's Drums? // Yes /x/ No |
| | If yes, Supplier's container Deposit is \$ |
| | If no, complete items 3 and 4 below |
| 3 . | 2,000 gallons of Bulk material will be received in (multi) (xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| | Methanol |
| | |

JUN 30 1971

for period ending

| 4. | Bulk Ma | terial will be loaded: /_/ Into a storage tank |
|----------------|--------------|--|
| | / <u>x</u> / | .Directly into Containers // Other (explain) |
| 5. | Each co | ntainer is to be filled to 54 (188) (gal) net and is, |
| 4 | / <u>X</u> / | Non-Returnable (N/R) which meets DOT* Specification 17E |
| -71 | . 1 | costing \$ 8.20 each. A lining is required // Yes // No |
| | | Returnable and the Deposit to Customers is to be \$ |
| | | Type of Style Container |
| | | Sufficient containers are presently on hand $\sqrt{\ }$ Yes $\sqrt{\ }$ No |
| | | must purchase 50 at \$ 8.20 each |
| ~6 . | | n label, Code Number 9SIA will be used. If a McKesson label t available, attach a copy of the Supplier's label. |
| 7. | | e Repack Cost - Use latest Branch Repack Quarterly Analysis of to estimate direct labor and overhead. Consult Regional Accounting |

| | | Per Package | Unit Cost |
|----|----------------------|-------------|-----------|
| à) | Bulk Material | 23.49 | .435/Gal. |
| ъ) | N/R Container | 8.20 | .15/Gal. |
| c) | Direct labor | .22 | .004/Gal. |
| d) | Overhead | .97 | .018/Gal. |
| e) | Total cost to repack | 32.88 | .607/Gal. |
| f) | Present cost (A-6) | 36.53 | .676/Gal. |
| g) | Additional Profits | 3.65 | .069/Gal. |

· Office if information is not available. Information is taken from report

3-31-71

Amount of profit improvement through repacking (existing business)

| • | . 22 | X | 3.65 | хэ | 1.2 | = | \$ | 963.60 | per | year |
|-------------|--------------------|---|------------------|-----|-----|----|--------|--------|-----|------|
| | Avg Sales/mo (A-8) | | Add'1 Profit/Pkg | | | | _ | | , | |
| <i>)</i> ,` | 1 de tolo | , | used if a | ee. | 1 | to | نحیطها | DOT, | | |

A Used drims to be used if and though IO! le found recooper with good drums can be found

^{*} Department of Transportation

| 8. | Does the Branch have up-todate Supplier's literature concerning potential hazards and their recommendations for handling and storing this material? /X/ Yes // No. If not has this literature been requested? // Yes // No. |
|--------------|---|
| 9. | As classified by DOT, is this material "regulated"? $\sqrt{\chi}$ Yes $\sqrt{}$ No |
| | If yes, the required Caution label is $\frac{1}{2}$ White $\frac{1}{2}$ Yellow |
| | /X/ Red /_/ Other, explain |
| 10. | To handle this item, Branch Repackaging facilities: |
| | $\sqrt{2}/$ Are adequately equipped requiring only a nominal amount of expense |
| . | estimated at \$ for miscellaneous hose, fittings, etc. |
| | Will require additional equipment or modification of a Capital nature |
| | estimated at \$ This is provided in the Budget // Yes // No. |
| | Furnish complete details |
| C. PI | ERSONNEL REQUIREMENTS - Advise if additional employees will be needed and the resulting additional labor expense. |
| · · | I additional person will be needed for all packaging requests |
| D. 4 | ADVANTAGES AND OTHER COMMENTS |
| : | L. As a result of repacking, additional business can be expected in the near term as follows: |
| , | a) Number of new accounts 45 |
| ř | b) Additional packages to be sold <u>1620</u> per year |
| | c) Additional annual sales \$ 69,000.00 |
| | d) Additional gross profit \$ 16,200.00 |
| | 2. Besides an apparent savings, just why is this repackaging being requested? If a competitive situation is involved, briefly discuss who, where and the exact nature of the competition. |
| | Will permit to be competative on drums and will allow us to obtain new small bulk customers or a stop in transit delivery basis. |
| | |
| C/ | Manager) (Date) (District Manager) (Date) (Regional Manager) (D |
| Branch | Manager) (Date) (District Manager) (Date) (Regional Manager) (D |
| | |

McKESSON CHEMICAL COMPANY APPROVAL TO REPACKAGE

| Branch/PRF | Union City/9/ | Region Approved 11/3/82 |
|--|----------------------------|--------------------------|
| Item | | |
| Supplier(s) | Kalama | TOSCA No.(s) |
| Packed From | Comp. Tank Truck | UN No. |
| DOT Class | Non-regulated | Commodity Label Supplier |
| Container Type | ACT II - 55 Gal. Poly Drum | Net Weight(s) 500 lbs. |
| / Non-Retur | rnable /X/ | Returnable |
| Sp. Gr | Flash. Point 400+ °F | TLV N/A Hazard |
| | | dous: Yes // No /X/ |
| - Empty dru washed, i a must Be cautio fully flu - In additi | nspected or repaired as | each drum "K-Flex DP". |
| · | | |
| HOME OFFICE AF | PROVAL C.R. Piero | Date: 12/1/82 |

REVIEW OF BRANCH REQUEST TO REPACKAGE

| Branch/PRF Union City | Region Approved 11/3/82 | |
|--|---|---------------------------------------|
| Item K-Flex pdipropylene glycol dibenzoate) | Request to Repack Shows: | |
| Supplier(s) Kalama | | _/Yr. |
| | Addn. Sales | _/Yr. |
| Packed From Comp. Tank Truck | | _/Yr. |
| DOT Class Non-regulated UN No | TOSCA No. | |
| Container Type ACTII - 55 Gal. | | |
| | Commodity Label Supplier | |
| • | Net Weight(s) 500 lbs. | |
| // Non-Returnable /X/ Returnable | rnable @ \$ Deposit | |
| Sp. Gr. Flash Point 400+ | OF TLV N/A Other | |
| Product waste to be regarded as hazar | · | |
| ROUTING: 1. C.R. Piercy (1. 2. D.L. Eisner -) 3. M.A. Minor 4. D.A. Davis 5. C.R. Piercy | Initial and Date Op 11/15/82 177.1) Minor 11-18- Add 11/22 | 11/9/8 80 /8- |
| COMMENTS: 1.) No operating A test will be made to assure long term | problems anticipated for poly drum suppl compatibility. | l. |
| (70) | | |
| (4) K-Hex. DP | | |
| (17) | | |
| | | · · · · · · · · · · · · · · · · · · · |
| | | |
| • | · | |
| | | |

| | (Rev | vised - Jan. 1971) |
|------|------|--|
| | | Branch SFBAY BRANCH (UNTOWC |
| | | Date |
| | Name | e and Grade of Item to be Repacked K-FLEX OLYCOL DIDENZOATE |
| | | Instructions - A separate form must be completed for each package size. Insert information where requested and delete units which do not apply. Where comments are are requested, be as complete as possible yet concise. |
| | , | |
| A. | CUR | RENT INFORMATION |
| | ٦. | Name of Supplier KALAMA |
| | 2. | 'How is material now being obtained? DRUMS |
| . , | 3. | Size and type of container 55 GAL. |
| | | |
| | 4. | Net Weight 500 lbs. |
| | 5. | Amount of Supplier's Container Deposit \$ NONE |
| · .; | 6. | Present cost into stock including freight but less any allowances |
| *** | : | a) Unit Cost \$.631-10% F/4 (cwt) (gal.) |
| , | , | b) Package Cost \$ 283,50 (each) |
| • | 7. | Number of Current Branch customers / |
| ." | 8. | Average monthly Sales to these Customers 80 (drums) (cbys)/mo. |
| , ` | | |
| В. | PAC | KAGING PROPOSAL |
| | 1. | Name of Supplier(s) KALAWA CHEMICAL |
| | | |
| | 2. | Is material to be Packed from Supplier's Drums? / Yes / No |
| • | : | If yes, Supplier's container Deposit is \$ |
| | | If no, complete items 3 and 4 below |

SDOO gallons of Bulk material will be received in (multi) compartment (tank car) (tank truck). If more than one compartment identify other items in the load

REQUEST TO REPACKAGE

| REQUEST TO | REPA | CKAGE | (CONT. |) |
|-------------|------|-------|--------|---|
| (Revised 5- | | | | |

| Ą. | Bulk Mate | rial will be loaded: // I | nto a storage tank | |
|----|-----------------------|---|--|---|
| | . 134 | Directly into Containers /_ | | n) |
| 5. | Each cont | ainer is to be filled to 52 | <u>)</u> (1bs.) (gal) | net and is, |
| | // | Non-Returnable (N/R) which m | | |
| | | costing \$ each. A | lining is require | d /_/Yes /_/ No |
| | 154 | Returnable and the Deposit t | co Customers is to | be \$ |
| | | Type of Style Container ACT | | |
| | • | Sufficient containers are pr | resently on hand / | Yes / No |
| | | must purchase 100 at | \$ 26.50 | each . |
| 6. | McKesson is not av | Tabel, Code Number Supplies vailable, attach a copy of the | will be used. Supplier's label. | If a McKesson Label |
| 7. | cost to e | Repack Cost - Use latest Branestimate direct labor and over information is not available od ending <u>CURREAT</u> | e. Information is | taken from report |
| | | COST 4.44 OULK D. | • | |
| | * | | Per Package | Unit Cost CWI |
| | | | | |
| | a) | Bulk Material | 220,00 | .44 |
| | a) b) | Bulk Material N/R Container | 220,00 | .44 : |
| | | | 220.00 | .44 : : 22.77 hr. |
| | b) | N/R Container | | |
| | b) c) | N/R Container Direct Labor | 1.27 | 22.77 hr. |
| , | b) c) d) | N/R Container Direct Labor Overhead | 1.27 | 22.77 hr. |
| | b) c) d) e) | N/R Container Direct Labor Overhead Total cost to repack | 1.27 .13 221.40 | 22.77 hr. |
| | b) c) d) e) f) | N/R Container Direct Labor Overhead Total cost to repack Present cost (A-6) | 1.27 .13 221.40 283.50 62.10 | 22.77. hr. 1.30 cut. |
| | b) c) d) e) f) | N/R Container Direct Labor Overhead Total cost to repack Present cost (A-6) Additional Profits | 1.27 .13 221.40 283.50 62.10 nt through repacking | 22.77. hr. 1.30 CUT. 24.51 4.51 (existing business) |